रजिस्ट्री सं. डी एल—33001/97

REGISTERED NO. DL—33001/97

भारत का राजपत्र

THE GAZETTE OF INDIA

प्राधिकार से प्रकाशित

PUBLISHED BY AUTHORITY

सं० 18] नई दिल्ली, शनिवार, मई 3, 1997 (वैशाख 13, 1919)

No. 18] NEW DELHI, SATURDAY, MAY 3, 1997 (VAISAKHA 13, 1919)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके

[Separate paging is given to this Part in order that it may be filed as a separate compilation]

भाग III—खण्ड 2

[PART III—SECTION 2]

पेटेन्ट कार्यालय द्वारा जारी की गई पेटेन्टों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस

[Notification and Notices Issued by the Patent Office relating to Patents and Designs]

THE PATENT OFFICE

PATENTS AND DESIGNS

CULCUTTA, 03-05-1997

ADDRESS AND JURISDICTION OF THE OFFICES OF THE PATENT OFFICE

The Patent Office has its Head Office at Calcutta, and Banch, Offices at Bombay, Delhi and Madras having tertitorial Jurisdiction on a Zonial basis as shown below :—

Patent Office Branch,
Todi Estates, IIIrd Floor,
Lower Parel (West); Mumbai-400013.

The States of Gujarat,
Maharashtra, Madhya
Pradesh, Goa and the Union
Territories of Damam and
'Diu and Dadra and" Nagar Haveli.

Telegraphic address "PATOFFICE"

Patent Office Branch,
Unit No. 401 to 405, IIIrd Floor,
Municipall Market Building,
Saraswati Marg, Karol Bagh,
New Delhi-110005.

The States of Haryana
Himachal Pradesh, Jammu and
Kashmir, Punjab, Rajasthan,
Uttar Pradesh. Delhi and
the Union Territory of
Chandigarh.

Telegraphic:address"PATENTOFIS"

Patent Office Branch,
Wing 'C' (C-4, A)
III Floor, Rajaji Bhavan/Besant Nagar,
Chennai-600 090.

The States of Andhra. Pradesh.
Karnatata, Kerala, Tamilnadu and
Pondicherry and the Union
Territories of Laccadive, Minicoy
and Aminidivi Islands.

Telegraphic address "PATENTOFIC"

Patent Office,· (Head Office).
"NIZAM PALACE", 2nd M.S.O.
Building, 5th, 6th and 7th
Floor, 234/4, Acharya Jagadish
BOSE Road, Calcutta-700020.

Rest of India.

Telegraphic address "PATENTS"'

All applications, notices/statements or other, documents or any fees required by the patents Act. 1970 or the Patents Rules, 1972 will be received only at the appropriate Offices of the Patent Office.

Fees :—The fees may either be paid in cash or may be sent by Money Order or payable to the Controller at the appropriate Offices or by bank draft or cheque payable to the Controller drawn on a scheduled bank at the place where the appropriate office is situated.

पेटेंट कार्यालय

एकस्व तथा अभिकल्प

कलकत्ता, दिनांक 3 मई 1997

पेटेंट कार्यालय के कार्यालयों के पते एवं क्षेत्राधिकार

पेटेंट कार्यालय का प्रधान कार्यालय कलकत्ते में अवस्थित है तथा बम्बई, दिल्ली एवं मद्रास में इसके शाखा कार्यालय हैं, जिनके प्रादेशिक क्षेत्राधिकार जोन के आधार पर निम्न रूप में प्रदर्शित हैं :—

पेटेंट कार्यालय शाखा, टोडी इस्टेट,
तीसरा तल, लोअर परेल (प.),
मुम्बई-400 013.

गुजरात, महाराष्ट्र तथा मध्य प्रदेश
तथा गोआ राज्य क्षेत्र एवं संघ
शासित क्षेत्र, दमन तथा दीव एवं
दादर और नगर हवेली ।

तार पता - "पेटोफिस"

पेटेंट कार्यालय शाखा,
एनेक्स सं. 401 से 405, तीसरा तल,
नगरपालिका बाजार भवन,
सरस्वती मार्ग, करोल बाग,
नई दिल्ली-110 005.

हरियाणा, हिमाचल प्रदेश, जम्मू
तथा कश्मीर, पंजाब, राजस्थान,
उत्तर प्रदेश तथा दिल्ली राज्य
क्षेत्रों एवं संघ शासित क्षेत्र चंडीगढ़ ।

तार पता - "पेटेंटोफिस"

पेटेंट आफिस
शाखा बिग सी (सी-4, ए)
तीसरा तल, राजाजी भवन बीसेंट नगर,
चेन्नई-600090 ।

आन्ध्र प्रदेश, कर्नाटक, केरल तमिलनाडु
तथा पाण्डिचेरी राज्य क्षेत्र एवं
संघ शासित क्षेत्र, लक्षद्वीप, मिनिकाय
तथा एमिनिदिवि द्वीप ।

तार पता - "पेटेंटोफिक"

पेटेंट कार्यालय (प्रधान कार्यालय)
निजाम पैलेस, द्वितीय बहुतलीय कार्यालय
भवन, 5, 6 तथा 7वां तल,
234/4, आचार्य जगदीश बोस मार्ग,
कलकत्ता-700 020.

भारत का अवशेष क्षेत्र ।

तार पता - "पेटेंट्स"

पेटेंट अधिनियम, 1970 या पेटेंट नियम, 1972 में अपेक्षित सभी आवेदन-पत्र सूचनाएं, विवरण या अन्य प्रलेख पेटेंट कार्यालय के केवल उपयुक्त कार्यालय में ही प्राप्त किए जायेंगे ।

शुल्क : शुल्कों की अदायगी या तो नकद की जाएगी अथवा उपयुक्त कार्यालय में नियंत्रक को भुगतान योग्य धनादेश अथवा डाक आदेश या जहां उपयुक्त कार्यालय अवस्थित है, उस स्थान के अनुसूचित बैंक से नियंत्रक को भुगतान योग्य बैंक ड्राफ्ट अथवा चैक द्वारा की जा सकती है ।

CORRIGENDUM

In the Gazette of India, Part-III, Sec-2, dated 04th March, 94 notified on 02nd April, 1994, delete the Patent. Application -No. 267/Bom/90 (171896) which was inadvertantly sealad.

APPLICATION FOR PATENT FILED AT THE HEAD OFFICE 234/4, ACHARYA JAGADISH BOSE ROAD, CALCUTTA-20.

The dates shown in the crecent bracket are the dated claimed under section 135, of the Patent Act, 1970.

7-3-1997

403/Cal/97. Goda Surya Narayan. "Composition for controlling slag/slag forming in steel making vessels and bricks, briquetts and the like shaped blocks, formed of the composition".

404/Cal/97. Prof. Dr. Rabindra Nath Sen and Dr. Subir Das, "An erconomic head-gear for agricultural and other workers".

405/Cal/97. Sahkyo Co. Ltd., "Aniline derivatives having herbicidal activity, their preparation and , their use".
(Convention Nos. 52689/1996 & 243335/1996 on 11-3-96 ft 13-9-96 in Japan).

406/Cal/97. Siemens Aktiengesellschaft, "Circuit arrangement for seitched-mode power supplies having a plurality of load-independent output voltage".
(Convention No. 19609123.3 on 8-3-96 in Germany).

407/Cal/97. Siemens Aktiengesellschaft, "Water Separating! System".
(Convention No. 19610317.7 on 15-3-96 in Germany).

408/Cal/97. Siemens Aktiengesellschaft "Method of amending operational data which is stored in a private communications systems".
(Convention No. 19611023.8 on 20-3-96 in Germany).

409/Ca1/97. Murata manufacturing Co. Ltd., "Distributor synthesizer and S/N Enhancer".
(Convention No. 8-80909 on 8-3-96 in Japan).

410/Cal/97, Sulo Eisenwerk Streuber ,& Lohmann GmbH., "Refuse Bin". (I),
(Convention No. 19608785.6 on 7-3-96 in Germany).

411/Cal/97. Sulo Eisenwerk Strcuber & Lohmann GmbH-, "Refuse Bin" (II).
(Convention No. 19608784.8 on 7-3-96 in Germany).

10-3-1997

412/Cal/97. Kawasaki Steel Corporation, "Method of Charging materials into cupola".
(Convention No. 060600 on 18-3-96 in Japan).

413/Cal/97. Borealis A/S., "A process for polymerization of olefin monomers.
(Convention No. 961152 on 13-3-96 in Finland).

414/ Cal/97. N. V. Union Miniere S.A., "A fluxless hot dip galvanizing process".

415/Cal/97. LG Electronics Inc., "Outer rotor type brushless DC (BLDC) Motor".
(Convention No. 7061/1996 on 15-3-96 in, Korea).

416/Cal/97. American Cyanamid Co., "Termiticide Bait Tube for in Ground Application".

417/Cal/97. Circus Logic Inc., "Method and apparatus for encoding history of file access to support automatic file caching on portable and desktop computers".
(Convention No. 08/639,016 on 24-4-96 in U.S.A.).

418/Ca1/97. Siemens Aktiengesellschaft, "Device for directing and dividing a stream of fluid, and its use in a, steam turbine".
(Convention No. 19609444.5 on 11-3-96 in Germany).

419/Cal/97. Siemens Aktiengesellschaft. "Chip Card".
(Convention No. 19610070.4 on 14-3-96 in Germany).

420/Cal/97, Siemens Aktiengesellschaft, "Chip card and method of manufacturing a chip card".
(Convention No. 19609636.7 on 12-3-96 in Germany).

421/Cal/97, Asahi kasci Kogyo kabushiki Kaisha, "Process for producing unsaturated nitrile'.
(Convention No. 08-054473 on 12-3-96 in Japan).

11-3-1997

422/Cal/97. Cats Inc., "Method for year-round utilization of pollinating insects such as bumble bees and constant temperature box for achieving this".
(Convention No. H8-111298 & 111299 on, 8-4-96 in Japan).

423/Cal/97. Philips Electronics N.V., "Telephone including an electromechanical transducer, method of adapting the frequency response of such a transducer and method of coding a melody".
(Convention No. on 13-3-1996 in France.).

424/Cal/97. True Image, LLC, "System for radiological image liminance control".
(Convention No. 08/647,426 on 11-3-96 in U.S.-A.I.

425/Cal/97. Glitsch International, Inc., "Process to produce styrene from petroleum feedstocks". (Convention No. 08/719,692 on 26-9-96 in U.S.A.).

426/Cal/97. Windmoller & Holscher, "Printing press preferably flexogrophic printing press".
(Convention No. 19611048.3 on 20-3-96 in GermHny).

427/Cal/97. Statomat special machined Ltd., "Press Tools".
(Convention No. 9605192.5 on 12-3-96 in.U.K.).

428/Cal/97. Stork Screens B.V., "Photosensitive Resin Composition and coating comprising said composition" (I). (Convention No. NL 1007627 on 15-3-96 in Netherlands).

429/Cal/97. Stock Screens B.V., "Photosensitive Resin Composition and coating comprising said composition" (II). (Convention No. NL 1002628 on 15-3-96 in Netherlands).

430/Cal/97. Hoechst Celanese Corporation, "Honeycomb Catalyst for vinyl Acetate Synthesis".
(Convention No. 08/627,960 on 2-4-96 in U.S.A.).

431/Cal/97. Hoechst Celanese Corporation, "Two step gold addition method for preparing a Vinyl Acetate Catalyst".
(Convention No. 08/633,275 on 16-4-96 in U.S.A.).

432/Cal/97. Hoechst Celanese Corporation, "Method of preparing a vinyl acetate Catalyst Employing an Alkali Metal Borate".
(Convention No. 08/627,791 on l-4- 96 in U.S.A.).

12-31997

433/Cal/97. Wilden Pump & Engineering Co., "Diaphragm mechanism for an air driven diaphragm pump".
(Convention No. 08/622,943 on 27-3-96 in U.S.A.).

434/Cal/97- University of South, Florida, "Method and media for enhancing viability, Maturation and cryoprer servation of cells".
(Convention Nos. 08/615,039 &. on 12-3-96 &, 11-2-97 in U.S.A.).

435/Cal/97. Hyal Pharmuceutical Corporation, "Methods for cell mobilization using in vivo treatment with Hyaluronan (HA)",
(Convention Nos. 660/013,401 on 16-3-96 in U.S.A. & 2,173,272 on 2-4-96 in Canada).

436/Cal/97. Eaton Corporation, "Synchronizer Mechanism".
(Convention No. 9606170.0 on 23-3-96 in U.K.).

437 Cal/97. Ethicon, Inc., "Process for blackening surgical' Needles".
(Convention No. 08/622794 on 27-3-96 in U.S.A.).

438/Cal/97. Ethicon, Inc., ."Process for cleaning surgical Needles".
(Convention No. OH/625437 on 27-3-96 in U.S.A.).

439/Cal/97 Gripple Ltd-, "Device for clamping wires etc".
(Convention No. 9606155.1 on 23-3-96 in U.K.).

440/Cal/97 Dr. Partha Pratim Kanjilal, "An instrument for continuous non-invasive measurement of blood pressure".

441/Cal/97 Digital D. J. Inc., "Improved subcarrier injection system and method using adaptive level shifted; minimum shift keying"
(Convention No. 08/614,505 on 13-3-96 in U.S.A.).

443/Cal/97 Flogates Ltd.,' "Sliding gale valve",
(Convention No. 9605223.8 on 12-3-96 in U.K.).

APPLICATIONS FOR PATENTS FILED AT THE PATENT OFFICE BRANCH WING C (C-4 'A'), IIIRD FLOOR, RAJAJI BHAVAN. BESANT NAGAR, CHENNAI-600090.

20th January, 1997

79/Mas/97 The Director, Silkworm Seed Technology Laboratory. A bed disinfectant composition and to a process for the preparation thereof.

80/ Mas /97 Widin GMBH. A composite body and the process for its manufacture.

81/Mas/97. Widia GMBH. Expanding mandrel.

82/Mas/97 Widia GMBH. Tool adaptor.

83/Mas/97 Unniparambath, Gopinathan and Parayil. The development of a new method for reducing the waste disposal from the Waste' Chlorine Disposal Plant (WCDP),

84/Mas/97 P.B. Mathur, Sarojini Mathur, Rajeev Kumar Mathur, Plyush Kumar Mathur and Amit Kumar Muthur. Aurvedic medicines for healing chronic cold/rhenitis.

85/Mas/97 P.B. Muthur Sarojini Mathur, Rajeev , Kumar Mathur, Piyush "Kumar Mathur and Amit Kumar Mathur. Aurvedic medicines for healing chronic sinusitis,

86/Mas/97 P.B.. Mathur, Sarojini Mathur, Rajeev , Kumar Mathur, Piyush Kumar Mathur and Amit Kumar Mathur, Aurvedic medicines for healing chronic piles.

87/Mas/97 P. B. Mathur, Sarojini Mathur, Rajeev Kumar Mathur, Piyush Kumar Mathur and Amit Kumar Mathur. Aurvedic medicines for healing chronic coughing.

88/Mas/97 P. B. Mathur, Sarojini Mathur. Rajeev Kumar Mathur, Piyush Kumar Mathur and Amit Kumar Mathur, Aurvedic medicines "for healing chronic acidity and gastritis.

89/Mas/97 P. B. Mathur, Sarojini Mathur, Rajeev Kumar Mathur, Piyush Kumar Mathur and Amit Kumar Mathur. Aurvedic medicines for healing chronic menstrual bleeding.

90/Mas/97 P. B, Mathur Sarojini, Mathur, Rajeev Kumar Mathur, Piyush Kumar Mathur and Amit Kumar Mathur. Aurvedic medicines for healing high cholestrol.

91/Mas/97 Paul Gerard D'Souza. A peripetual calendar mechanism and improvements in or relating to a perpetual calendar mechanism particularly suited for use as an attachment or extension or additional feature to mechancal clocks and watches, to enable date and month to be displayed or indicated without the need to be reset or adjusted, based on a four year cycle inclusive of the leap year.

92/Mas/97 'Novo Nordisk A.S. A method for in vivo production of a mutant library in cells.

93/Mas/97 Societe D'Etude De Machines Four Les Arts orpbiques. A device for aligning a web used in a printing rotary machine.

94/Mas/97 Institut Francais Du Petrole. Catalyst comprising a faujasite type zeolite and a ton type zeolite and a process for the hydroconversion of hydrocarbon petroleum feeds. (January 22, 1996 France).

95/Mas/97 DSM NV, 'Radiation-curable powder paint binder composition. (January 23, 1996, Netherlands).

96/MAS/97 Hydroplus. A flashboard for a hydraulic structLtre such as ,a weir or a spillway on a dam or on a protective embankment. (January 19, 1996; France).

97/Mas/97 Henkel, Corporation. Thermially releasable barrier coating, 'composition therefor, and; use thereof (January 26, 1996, U.S.A).

98/Mas/97 Safas Corporation, Method for producing laminated articles).

21st January 1997

99/Mas/97 Lucas T.V.S Limited. ,A cyclic noise suppressing rotary link for the windshield wiper unit of art automobile. .

l00/Mas/97 The Dow Chemical Co. Polyolefin elastomer blends exhibiting improved properties; (January 22, 1996; U.S.).

101/Mas/97 The Dow Chemical Co, Ultra-low molecular weight' ethylene polymers (Janunry 22, , 1996 U.S.).

102/Mas/97 Novo Nordisk A,S.Enzymatic hydrolysis of cyclic oligomers. (January 22, 1996; Denmark).

103/Mas/97 Ivan Solvason. A method and a system for communication of control information from a control information genarator to one or more com"-puter installations.

104/Mas/97 Henkel Corporation Passivation composition and process for zinciferous and aluminifious surfaces. (January 23, 1996; United States of America).

105/Mas/97 BASF Aktiengesellschaft. Acid disazo dyes and sulfonamide intermediates therefor. (January. 25, 1996; Germany),

106/Mas/97. Robert Bosch GmbH, Fuel injection device for internal combustion engines. (June 15, 1996; Germany).

107/Mas/97 Sumitomo Chemical Company Limited. Process, for producing (tert-ALKYL) Cyanoacetic Acid Ester. (January 23,1996; Japan).

108/Mas/97. Robert Bosch- GmbH. Security arrangement against unauthorized instrusion

109/Mas/97 Elektrobit OY. Transformer. (January 26, 1996; Finland).

110/Mas/97. Zeneca Ltd, 1 Azo-Dyes. (January 26, 1996; United Kingdom).

22nd January 1997

111/Mas/97 Semallaia Paramasivan. Direction cum location finder device.

112/Mas/97,Arulanandasamy Joseph Stephen. A device for indicating the presence of moisture.

113/Mas/97 BASF Aktiengsellschaft. Evaporation of oxidation -sensitive compounds and evaporator for this purpose (January 25,1996; Germany)

ll4/Mas/97 Dualit Ltd. Heating element and frame member, (November 1,' 1996; Great Britain),

ll5/Mas/97 NV Raychm SA. Cable closure. , (January 24, 1996; Great Britain).

116/Mas/97. Kimberly-Clark Corporation. Temperature-responsive materials. (December 20, 1996; U.S.).

117/Mas/97 F Hoffmann-La Roch. AG. Tetrahydroiso quinolin derivatives,

118/Mas/97 F Hoffmann-La Roche AG'. Aldehyde dehydrogertfise.;

119/Mas/97 Fabio Perini S.P.A, A method and device for separating groups of flat products, from eachother. (January 30, 1996; Italy).

120/Mas/97 Chevron U.S.A. Inc. Method of preparing non-zeolitic molecular sieve catalyst. (October 10, 1996; U.S.A.).

121/Mas/97 Sumitomo-Chemical Co. Ltd. Dihaloprpene compounds, their use and intermediates for their production. (January 24,1996;Japan).

24th "January 1997

122/Mas/97 Stephen Lee Thaler.- Non-algorithmi- cally imp-, lemented artifical neural networks and components thereof.(January 26,1996; United States).

123/Mas/97 Smithkline Beecham p.l.c Pharmaceuticals. (January 26, 1996; United Kingdom),

124/Mas/97 Smithkline Beecham p.l.c Pharmaceuticals. (January. 26. 1996; Great Britain),

125/Mas/97 The Dow Chemical Co. Improved olefin addition polymerization catalyst composition. (January 26,1996; United States."

126/Mas/97 Societe Des,Preduits Nestle S.A. Aromatization of soluble bevarages.

127/Mas/97 Enichem Elastomeri Sr.l Cataytic component based on vanadium and its use in the preparation. of E.P.(D)M (February 16,1996,Italy).

128/Mas/97 Water Specialists Inc. Process for recovering components of a float material from waste water treatment system(January 23,1996;United States).

129/Mas/97 Norton Co. Radiation Curabl supersize.

130/Mas/97 Board of Trustees .Alkali metal formononetinand method of mycorrhizal stimulation (January 29,1996;U.S.A

131/Mas/97 Tube Investments of India Ltd, A double draw single pass die for the manufacture of a metal tube.

ALTERATION OF DATE

178444 filed on 3-1-1991(0004/DEL/91) ante dated to 17-12-87.

COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the Applications concerned, may at any time within four months of the date of this issue or within such further period not exceeding one month applied for on Form-14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, given notice to the Controller of Patents at the appropriate office on the prescribed Form -15,of such opposition. The written statement of opposition should be filed alongwith the said notice or with in one month of its date as prescribed in Rule 36 of the Patents Rules,1972.

The classifications given below in respect of each specification are according to Indian Classification and International Classification.

Typed or photo copies of the specifications together with photo copies of the drawings, if any can be supplied by the patent office, Calcutta or the appropriate Branch Office on payment of the prescribed copying charges which may be ascertained on application to that office. Photo copying charges may be calculated by adding the number of pages in the specification and drawing sheets mentioned below against each accepted specification and multiplying the same by two to get the charges as the copying charges per page are Rs. 2/-.

स्वीकृत सम्पूर्ण विनिर्देश

एतद्द्वारा यह सूचना दी जाती है कि सम्बद्ध आवेदनों में से किसी पर पेटेंट अनुदान को विरोधित करने के इच्छुक कोई व्यक्ति, इसके लिए की तिथि से चार (4) महीने या अधिक ऐसी अवधि जो उक्त 4 महीने की अवधि की समाप्ति के पूर्व पेटेंट नियम, 1972 के तहत विहित प्रपत्र 14 पर आवेदित एक महीने की अवधि से अधिक न हो, के भीतर कभी भी नियंत्रक, एकस्व को उपयुक्त कार्यालय में ऐसे विरोध की सूचना विहित प्रपत्र 15 पर दे सकते हैं । विरोध संबंधी लिखित वक्तव्य, उक्त सूचना के साथ अथवा पेटेंट नियम, 1972 के नियम 36 में यथा विहित इसकी तिथि के एक महीने के भीतर ही फाइल किए जाने चाहिए ।

"प्रत्येक विनिर्देश के संदर्भ में नीचे दिए वर्गीकरण, भारतीय वर्गीकरण तथा अन्तर्राष्ट्रीय वर्गीकरण के अनरूप हैं ।".

रूपांकन (चित्र आरेखों) की फोटो प्रतियां यदि कोई हों, के साथ विनिर्देशों की टंकित अथवा फोटो प्रतियों की आपूर्ति पेटेन्ट कार्यालय, कलकत्ता अथवा उपयुक्त शाखा कार्यालय द्वारा विहित लिप्यान्तरण प्रभार जिसे उक्त कार्यालय से पत्र-व्यवहार द्वारा सुनिश्चित करने के उपरांत उसकी अदायगी पर की जा सकती है । विनिर्देश की पृष्ठ संख्या के साथ प्रत्येक स्वीकृत विनिर्देश के सामने नीचे वर्णित चित्र आरेख कागजों को जोड़कर उसे 2 से गुणा करके, (क्योंकि प्रत्येक पृष्ठ का लिप्यान्तरण प्रभार 2/- रु. है) फोटो लिप्यान्तरण प्रभार का परिकलन किया जा सकता है ।

Ind. Cl. . 62 B 178441

Int. Cl [4]:D 06 F,35/00

AN AUTOMATIC WASHING MACHINE.-

Applicant:WHIRLPOOL CORPORATION ,A DELAWARE CORPORATION OF 2000 M-63 BENTON HARBOR,MICHIGAN 49022. UNITED STATES OF AMERICA, .

Inventor(s) : NIHAT OMER CUR; JIM J. PASTRYK; ANTHONY HOMERHARDAWAY AND "JOHNWAYNE EUI.ER.

Application for Patent No". 1315/Del/90 filed on 26th Decembcr, 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

12 Claims

An automatic washing machine (10) comprising an imperforate wash tub (24) a wash basket(25) positioned within said wash tub defining a wash zone and a fresh water inlet characterized by a recirculation system;(41)

a collection sone for receiving wash liquid from said wash zone and being spaced below said wash basket;(25)

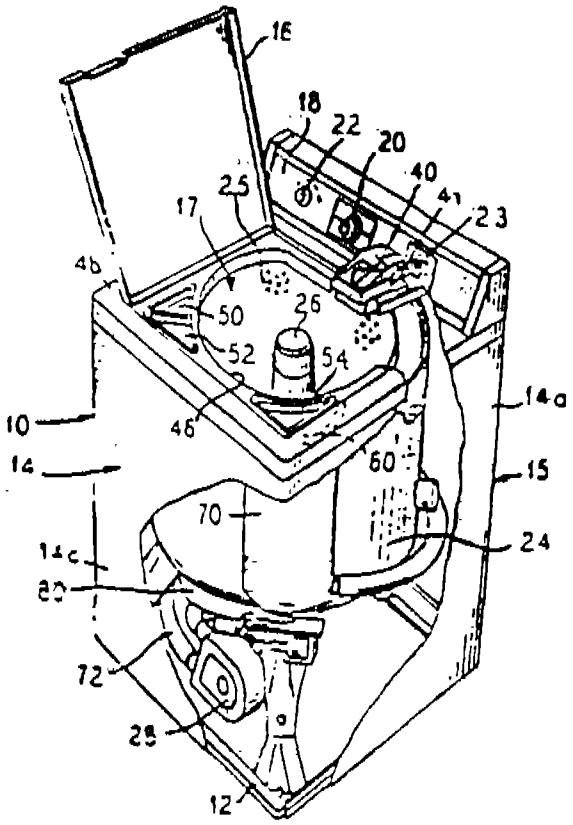
a pump (28) having a suction inlet communication via a first fluid conduit (72) with said collection zone;

a recirculation nozzel (41) selectively communication with a discharge outlet of said pump via a second fluid conduit(74) said nozzle being positioned to direct wash fluid intosaidwashzone;

a mixing zone for receiving and storing a supply of detergent and,fresh water,said mixing zone selectively communicating with said suction inlet via a third fluid conduit and selectively communication with a discharge outlet of said pump via a fourth fluid conduit.

liquid sensor (130) associated with said collection zone for sensing the presence of wash 'liquid within said collection zone; and

controller (131) for admitting wash liquid to said wash zone in response to a predetermined condition of sensing means.



(Comp. Specn. 26 pages; Drgs. 7 sheets.),

Ind. Cl. : 33 A 178442

Int. Cl. : B 22 D 21/00.

A CONTINUOUS CASTING APPARATUS FOR FORMING DISCRETE MOLDED SHAPES.

Applicant : ASARCO INCORPORATED, A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF NEW JERSEY, UNITED STATES OF AMERICA, 180 MAIDEN LANE, NEW YORK, STATE OF NEW Y0RK-10038, UNITED STATES OF AMERICA.

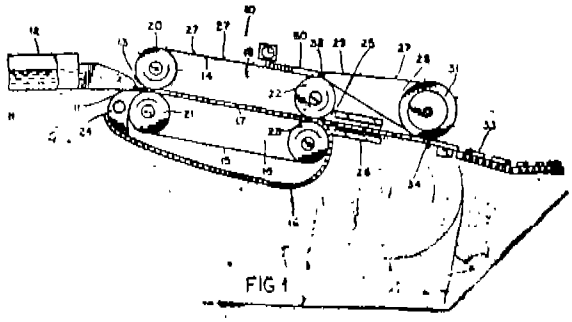
Inventors : JOHN RICHMOND HUGENS, JR. AMERICAN.

Application for Patent No. 1316/Del/90 fled on 26th December, 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

6 Claims

A continuous casting apparatus for forming discrete molded shapes, which comprises two planar surfaces movable together along; a longitudinal axis, transversely space side dams affixed to"at least one of said planar surfaces so as to define, a space between said dams and said planar surfaces, means for supplying a continuous stream of molten material to the space defined between said movable planar surfaces and side dams, cooling means to solidify the molten material and means to remove the solidified material after pawing adjacent the cooling means, characterized by a plurality of forming means attached to at least one of said movable planar. surfaces so as to extend, at longitudinally spaced intervals into the defined space between the side dams and arranged, in a desired sequence so as to create a series of segments in the material.



(Comp, Specn. 12 pages; Drgs. 3 sheets.)

Ind. Cl. . 28A 1784431

Int. Cl4 : F 23 D, 14,00.

AN IMPROVED A HYBRID TURBULENT GAS BURNER ASSEMBLY FOR SINTER PLANTS IN STEEL INDUSTRY,

Applicant : STEEL AUTHORITY OF LND1A LTD., UNIT RESEARCH & DEVELOPMENT CENTRE FOR IRON & STEEL, DORANDA, RANCHI HAVING REGISTERED OFFICE, ISPAT BHAVAN, I.ODI ROAD. NEW DELHI-110003, A GOVT. OF INDIA ENTERPRISE.

Inventors : MR. PRABHAT KUMAR DUBEY, DR. SOM SEKHAR DATTA, MR. SATYENDRA KUMAR.

Application for Patent No, 1340/DEL/90 filed on 27th December, 1990.

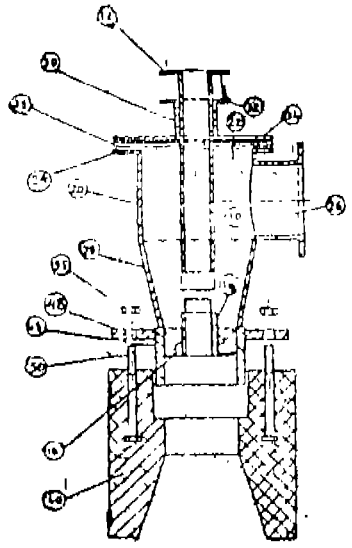
(Complete left after Provisional filed on 25-3-92),

Appropriate Office lor Opposition Proceeding (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

5 Claims

An improved hybrid turbulent gas burner assembly for sinter plants in steel industry, which is compact and capable of being embedded in the wall of a furnace and producing a short flat flame at a, reduced consumption of gaseous fuel, and comprises an inner pipe (10) for supplying gaseous fuel and an outer pipe (20), mounted co-axially with the inner pipe, for supplying through the annular space between the said two pipes, air fed "through a duct (26) fitted to the outer pipe, characterised in that (a) the inner pipe is a cylinderical tube having a circular flange (12) at its top end and a detachably fitted rotatable part (14) at its bottom, end the said totatable part being provided with a number of helical vanes (16) on the outer surface thereof for imparting a Swirling motion to the air flow; (b) a frustum (28) is provided at the bottom end of the outer pipe\ for increasing the pressure of the air supplied there through, (c) a cylindrical connector pipe (45) having a collar (48) is provided which rests on the wall of the furnace (40)and is securely fixed thereto by means of bolts (50) embedded in the furnace wall and nuts(55), and (d) a cylindrical connector pipe (30) having a flange (32) at its upper end

and flange (34) at its lower end is provided for joining the open top ends of the inner and outer pipes tightly in a leakproof manner by using a gasket (35).



(Comp. Specn. 17 pages; Drg. 1 sheet.)

Ind. Cl. : 51 D 178444

Int. Cl[4] : B 26 B 21/00.

RAZOR CAP WITH A LUBRICATING AID STRIP AND METHOD FOR MANUFACTURING THE SAME.

Applicant : WARNER-LAMBERT COMPANY, A CORPORATION ORGANISED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, AND HAVING A PLACE OF BUSINESS AT 201 TABOR ROAD, MORRIS PLAINS, NEW JERSEY 07950 UNITED STATES OF AMERICA.

Inventor(s) . DAVID BERNARD BRAUN, U.S.A., WILLIAM ELBERT VEERLAND, U.S.A., VINCENT COSMO MOTTA, U.S.A.

Application for Patent No. 0004/DEL/91 filed on 3-1-91.

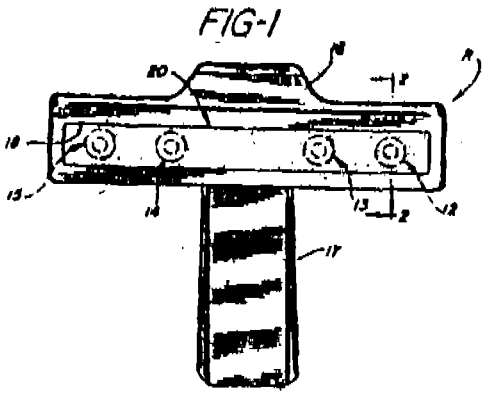
Ante dated to 17-12-87.

Divisional to Patent No. 1094/DEL/87 filed on 17-12-87:

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules. 1972) Patent Office Branch, New Delhi-110005.

5 Claims

A razor cap having a lubricating aid strip extending transversely along the cap top, said lubricating aid strip consisting of a mixture of polystyrene, polyethylene oxide and from 0.1 to 10% of the mixture of a water soluble, cosmetically acceptable plasticizer for polyethylene oxide said plasticizer being incompatible with polystyrene, said lubricating aid strip being anchored by downwardly directed integral T-shaped, members with the top of the T-essentially parallel to said strip and abutting a portion of the cap parallel to said top, said leg of each said T-shaped member extending through the thickness of the cap between said top and said cap portion,



(Comp. Specn. 14 pages; Drg. 1 sheet.)

Ind. Cl. : 129 G 178443

Int. Cl[4] : B 21 H 1/00.

A DEVICE FOR CONTROLLING THE OPERATION OF THE SHEARING MACHINE USED FOR CUTTING THE CROP ENDS OF HOT STEEL BARS.

Applicant : STEEL AUTHORITY OF INDIA LTD. RESEARCH AND DEVELOPMENT CENTRE FOR IRON AND STEEL HAVING ITS REGISTERED OFFICE AT LODI ROAD, NEW DELHI-110 003, A GOVT. OF INDIA UNDERTAKING.

Inventors : BASUDEO ROY. INDIAN, VANAKAMBADI SRINIVASAN SEKARAN, INDIAN, DAYA SHANKAR GUPTA. INDIAN, RAMESH CHANDRA THAKUR, INDIAN, SUDHAKER JHA, INDIAN.

Application for Patent No. 588/DEL/91 filled on 3.-7-91.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

4 Claims

A. device for controlling the operation of the shearing: machine used for cutting the crop ends of hot steel bars, (3) comprising two photosensors (1, 2) mounted, one on each side of the position (4) of the blade of the shearing machine used for cutting the crop ends at both the leading and trailing ends (6) of. individual hot steel bars which are movable on an approach table towards and beyond the position of said blade, each said photosensor being positioned at a preset distance from the said blade and directed towards the hot steel bars, in a direction perpendicular to the length of said! hot steel bars; two electronic amplifier units the inputs; (16) of which are connected one each to the outputs of said two photosensors and alogic circuit having two input terminals and one output terminal, the input terminals being connected one each to the outputs of said two electronic amplifier units (7, 8) and the output terminal to the control panel of said shearing machine through a relay, characterised in, that the said logic circuit, (9) and relay are adapted to cause an indication lamp of a particular colour, say red, to glow in the cabin of the operator of the shearing machine, and, to make the shearing machine inoperable from the control panel, when both of the two photosensors get excited by the radiation. received by them from the individual hot steel bars; and to cause an indication lamp of a different colour, say green, to glow in the cabin of the operator of the shearing machine, and to make the shearing machine operable from the control panel, when only one of the two photosensors is excited by the radiations received by it from the individual hot steel bars.

(Comp. Specn. 14 pages; Drgs. 2 sheets.)

Ind. Cl. : 55E/4, 55F, 128F, 128G 178446

Int.Cl[4] : A.6IK 9/00, A-6lK 31/00.

A PROCESS FOR PREPARING OF MICROBALLS FOR USE IN RELEASING AN EFFECTIVE AMOUNT OF AN ACTIVE INGREDIENT.

Applicant : SOCIETE DE CONSEILS DE RECHERCHES ET APPLICATIONS SCIENTIFIQUES (S.C.R.A.S), A FRENCH COMPANY, OF 51/53 RUE DU DOCTEUR BLANCHE, 75016 PARIS. FRANCE.

Inventor. ; JEAN MARC RUR.

Convention Appilcation No. 90168857/U//l-8-90.

Application for Patent No.-627/DEL/91 filed on 15-7-9.1.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972).Patent Office Branch, New- Delhi-110 005.

6 Claims

A process for the preparation, of microballs for use in releasing an effective amount of active ingredient over a predetermined period of time, said microballs comprising ono or' more active ingredients of the kind such as hereinbefore described in admixture with a bioresorbable and/or biodeg-, radable polymer of copolymer of the kind such "as hereinbefore described, the size of said microballs being comprised. between predetermind specific limits, and said microballs being in substantially spherodal form and substantially deprived of active ingredient on the external covering, said process comprising.

in the first phase, mixing in any known manner said one or more active ingredients and a bioresorbable and/or biodegradable polymer or copolymer

tebletting and, or extruding the resulting mixture, and grinding the same to produce ground particles,

and appropriately sizing said particles to produce particles with an irregular external surface,'

characterised in - that, in said first phase, the components are mixed in the dry state in the second phase, the particles with an irregular external surface obtained in the first phase are treated by suspending the same under stirring in a gel having a viscosity at 60°C or over, the upper limit being defined by the stability of components and having from 40 to 500 mPas when the gel is hydrophilic or of from 3000 to 12500 mPa.s. when the gel is hydrophilic said gel is heated to melt the particles where by microballs are formed the gel thereafter cooled and the rnicroballs so produced are recover -ed by filtration.

(Comp. Specn. 15 pages; Drg- Sheet Nil.)

Ind. Cl. ; 55 E/2, E/4 178447

Int. Cl:[4] : A 61 K 31/00,

A PROCESS FOR THE PREPARATION OF A COMPOSITION IN THE FORM OF TABLET CONTAINING BOTH CLOFAZIMINE AND DAPSONE.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH. RAFI MARG, NEW DELHI-.110 001. INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventors : (1) SATYAWAN SINGH, INDIAN
(2) MADHU KHANNA. INDIAN
(3) JAGAT PAL SINGH SARIN, INDIAN.

'Application for Patent No: 1116/DEL/91 filed oh 18-11-1991.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch,'New Delhi-110 005.

2. Claims

A process for the preparation of a composition in the form of tablet containing both clofazimine and dapsone which comprises mixing micronised dapsone and micronised clofazimine in 2:1 proportion with a conventional binder in the presence of a known lubricating agent thoroughly at 45 to 55°C for 3 to 4 hrs. and comprising the resultant mixture in a suitable mould to form a tablet.

(Comp. Specn. 5 pages. Drg, Nil)

Ind, Cl. : 32 F-1,55 E 4. 178445

Int. Cl.[4] : C 07 D 231/00

A PROCESS FOR THE SYNTHESIS OF 1,3,4,5 SUBSTITUTED PYRAZOLES.

Applicant: COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH. RAFI MARG; NEW DELHI-110 001. INDIA AN INDIAN REGISTERED BODY INCORPORATED UNDER REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860),

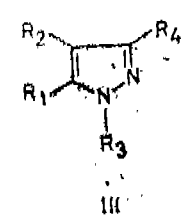
Inventors:(1) VISHNU JI RAM,INDIAN
(2) FALAK ANWER HUSSAINI, INDIAN
(3) ABOO SHOEB, INDIAN.

Application for Patent No. 1201/DEL/91 filed on 6 Dec., 1991

Apppropriate Office for Opposition Proceedings (Rule 4, Patents Rules,1972),Patent Office Branch. New Delhi-110 005.

5 Claims

A process for the synthesis of 1,3,4,5-substituted pyrazoles of the general formula III accompanying this specification.

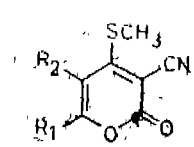


III

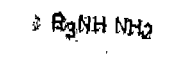
thienyl, 4— where-in R1—R2—

CH_3-C_6H_4,4-CH_3O-C_6H_4,benzofuran-2-X1,4-Cl-C_6H_4, 3-pyridyl, CH_3CH_2 CN, ' R_2=3, 4-CH_3O)2-C_6 H_3, H; R_3=CH_3, H, C_6H_5; R_4=2-thienyl, 4-CH_3 -C_6H_4 -C6H4, benzofuran-2-yl, 3-pyridyl, CH_2 CN, , .

which comprises reacting appropriately substituted 3-cyano-4-methyl thio 2H-pyran-2-ones of the general formula I.



wherein R_1 & R_2 have the meaning given above ,with hydrazine of the formula H



II

wherein R_3 has the meaning given above in the presence of an organic solvent at a temperature in the range of 65 to 115°C for a period of 4 to 6 hrs., recovering the resultand 1, 3 & 5-substiiuted pyrazolcs of the general formula III by known methods.

Compl, Specn. 8 pages; Drng. 1 sheet.

Ind. Cl. : 55 E_4, 128 F, 178449

Int. $Cl^{4:}$: A 61 K 31/325, A 61 M 37/00.

A PROCESS FOR MAKING TRANSDERMAL LEVICE FOR CONTROLLED/REGULATED ADMINISTRATION OF THE DRUG METHYL-5 (4-(2-PYRIDINYL) 1-PIPERAZINYL) 1-H-BENZ1MIDAZOL-2-YL CARBAMATE.

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110 001, INDIA. AN INDIAN REGISTERED BODY INCORPORATED UNDER REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventor, : (l) GIRISH KUMAR JAIN
(2) SATYAWAN SINGH
(3) JANMEJAI KUMAR SHRIVASTAVA
(4) SUMAN GUPTA
(5) KALPANA MURTHY
(6) JAGDISH CHANDRA KATIYAR
(7) JAGAT PAL SINGH SARIN
(8) TAUSIF MONIF.

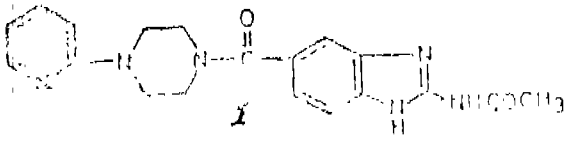
Application for Patent No. 1202/DEL/91 filed on 6th D . 1991.

Appropriate Office for Opposition Proceedings (Rule 4. Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

8 Claims

A process for making a transdermal device for

controlled/regulated administration of the drug Methyl-5-(4-(2-pyridinyl) l-piperazinyl)-l-H-benzimidazo1-2-yl carbamate of the formula 1



which comprises forming a reservoir like a small dish or tray from any impervious material which is insoluble in the drug for filling the reservoir with a drug consisting of 0-00005-5.0 gm of methyl-5-(4-(2-pyridinyl) 1-piperazinyl-l-H-benzimidazole-2-yl-carbamate, 0.0025-2.5 gm of penetration enhancer such as herein described, and one or more of the ingredients selected from 0.01-15.0 gm of propylene glycol, 0.01-15 gm of polythylene glycol, 0.01-2.5 pm of urea, 0.01-40.0 gm of polyvinyl pyrrolidine of molecular weight-40,000 and 0.01-15 gm of ethyl cellulose in 10-500 ml of organic solvent, covering the said reservoir after filling it with the said drug with a removable protective liner by sealing the marginal portion of the liner around the brim of the reservoir by a conventional skin adhesive.

(Complete Specification 16 pages; Drawings Sheet 1)

Ind. Cl. : 55 F 178450

Int. Cl4 : A 61 K 39/00.

AN IMPROVED PROCESS FOR THE PREPARATION OF ASSOEBOCYTE LYSATE (TAL) USEFUL FOR DETECTION OF PYROGEN IN VITRO.

Applicant . COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARC, NEW DELH1-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventors : (1) ANIL CHATERJEE, INDIAN
(2) CHANDRALATA RAGHUKUMAR, INDIAN.
(3) ARUN HARI PARULEKAR, INDIAN
(4) BHAGIRATH NAV1N KANT DESAL, INDIAN.

Application for Patent No, 43/DEL/92 filed on 21-1-92,

Complete left after provisional specification on 29-11-92.

Appropriate Office for. Opposition Proceedings (Rule- 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

6 Claims

An improved process for the preparation of amoebocyte lysate (TAL) useful for detection of pyrogen in vitro which comprises warming haemolymph, obtained from thoracic appendage of Tachypieus gigas (Indian honseshoe crab) in N-ethylmaleimide in TRIS buffer (pH 7.4; 0.1 M) to 42°C and mixing well then centrifuging at 4°C and washing the residue with pyrogen free 3% sodium chloride, lysing the washed residue by keeping it at 4°C in pyrogen. free double distilled watar at a ratio in the range of 1:3, separating the lysate by centrifugation at 40C aud drcanting in pyrogen free vials.

(Provisional Specn. 4 pages; Drg- Nil.)
(Comp, Specn. 6 pages; Drg. Nil.)

Ind. Cl. : 77 D 178451

Int. $Cl.^4$: C 11 B, 3/10.

PROCESS FOR THE PREPARATION OF ADSORBENT FOR USE IN REMOVAL OF TRACE CONTAMINATS FROM GI.YCERIDE OILS.

Applicant : W. R. GRACE & CO @ CONN FORMERLY KNOWN AS W. R. GRACE & CO., A CORPOATION ORGANISED AND EXISTING UNDER THE LAWS OF THE STATE OF CONNECTICUT, UNITED STATES OF AMERICA, OF 1114 AVENUE OF THE AMERICA, NEW YORK, UNITED STATES OF AMERICA.

Inventor : WILLIAM ALAN WELSH,

Application for Patent No. 815/ DEL/87 filed on 17-9 87.

Appropriate Office for Opposition Proceeding (Rule ", Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

4 Claims

A process for the preparation of adsorbent for use in the removal of trace contaminants, sepcifically phospholipids and, associated metal ions, from glyceride; oils comprising treating in a manner such as herein described partially dried amorphous silica hydrogel with an organic acid of the kind such as herein described, said hydrogel having a total moisture content of at least about 25 weight percent and an average pore diameter of about 60 angstroms or less, said organic acid being contained within said pores

(Comp. Specn. 25 pages; Dig. Sheet Nil.)

Ind. Cl. : 51 D. 178452

Int. Cl. . B 26 B 21/00,

RAZOR CAP V/1TH A LUBRICATING AID STRIP.

Applicant : WARNER-IAMBPRT COMPANY. 201 TABOR ROAD, MORRIS PLAINS, NEW JFRSSY 07950 U.S.A. A CORPORATION ORGANISED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, U.S.A,

Inventors : (1) DAVID BERNARD BRAUN, U.S.A.

(2) WILLIAM ELBERT VREELAND, U.S. A.

(3) VINCENT COSMO MOTTA. U.S.A.

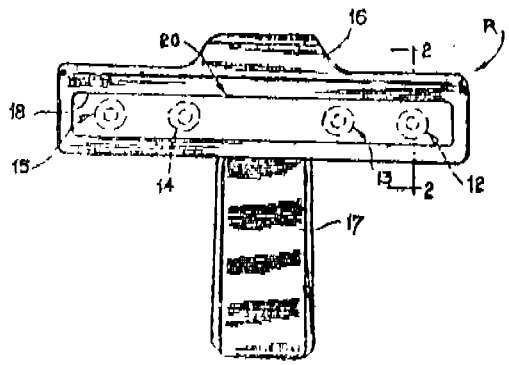
Application for Patent No. 1094/DEL/97 filed on 17-12-1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

2 Claims

A razor cap with a lubricating aid ship extending transversely along the cap top. characterised by said lubricating aid strip being provided with, integral T-shaped members directed downwardly therefrom, said T-shaped members anchoring said lubricating aid strip to the cap, the top of the T of said T-shaped members being essentially parallel to said strip and abutting a portion of the cap parallel to said top and wherein the lest of each said T-shaped member extends through the thicknes of the cap between said top and said cap portion.

FIG. 1



(Comp. Specn, 12 pages; Drg. 1 sheet.)

Ind. Cl. ; 206 E 178453

Int. CL^4 : G 06 F 7/00 13/10 15/00

AN IMPROVED DISK DRIVE CONTROLLER FOR CONTROLLINGS THE TRANSFER OF DATA BETWEEN A COMPUTER AND A DISK DRIVE.

Applicant(s) : APPLE COMPUTER INC., A CALIFORNIA CORPORATION. OF 20525 MARIANI AVENUE, CUPERTINO, CALIFORNIA 95014, UNITED STATES OF AMERICA.

Inventor(s) : WENDELL SANDER AND BRIAN SANDER.

Application for Patent No, 135/DEL/88 filed on 18 Feb 1988

Convention date 25-08-1987/8720026/U,K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules ,1972)Patent Office Branch, New Delhi-110 005.

Claims 6

An improved disk drive controller (11) for controlling the transfer of data between a computer and a disk drive, said computer having a clock for generating clocking signals, an address bus and a data bus, wherein said controller comprises :

register means (15) for being coupled to said address and data bus for receiving address and data therefrom ;

write logic means (27) connected to said register means. (15) for converting data on the data bus to a signal for recording on magnetic media by said disk drive and

read logic means (21) connected to said register means (15) for converting data received from a signal generated by said disk drive to data for placement on the data bus, said read logic mean,(21) having a peak shift compensation means (451 for processing said signal received from said drive to compensate for the effects of peak shift, said peak shift compensation means (45) comprising :

(i) first counter means (451) and second counter means (453) for placing pulses at predetermined time intervals between transition in said signal from said drive, said predetermined time intervals being determined by setting said first and second counter means (451, 453) with values generated by said computer as a function of the time between previous transitions in said signal from said drive, wherein said first counter means (451) is set with a value corresponding to the shortest expected time between the next two transitions and the second counter means (453) is set to a value greater than the shortest expected time between the next two transitions and less than the maximum expected time between the next two transitions;

(ii) bound detector means (455) coupled to said first and second counter means (451, 453) for counting the number of pulses generated by said first and second counter means (451, 453) between transitions in said signal from said drive; and

(iii) first and second shift registers (457, 459) coupled to said bound detector means (455) for storing the number of pulses generated by said first and second counters (451, 453) respectively to enable said bound detector means (455) to generate peak shift compensated pulses from said signal from said drive.

Ref. : Nil.

Agent ; Remfry & Son.

(Complete Specifications 39 Pages; Drawings 8 Sheets)

Ind. Cl. : 32 E 178454

Int. Cl4 : C 08 F—27/00 27/04, B 29 C—47/00 51/00, B 29 D—7/00 7/01

A THERMOFORMABLE POLYPHASE POLYBLEND COMPOSITION.

Applicant : THE B. F. GOODRICH COMPANY, A NEW YORK CORPORATION. OF 3925 EMBASSY PARKWAY, AKRON, OHIO 44313, U.S.A.

Inventors : BUNG-LIN LEE.

Application for Petent No, 155/DEL/88 filed on date 29 Fob 1988.

Appropriata office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 05.

Claims 4

A thermoformable polyphase polyblend composition comprising a mixture of distinct first, second and third phases without miscibility but with mechanical compatibility , said first phase consisting of from 10 to 40 parts by weight of olefin polymer (PO) and from 20 but less than 40 parts of a graft copolymer of olefin polymer (PO-G), the graft copolymer having a melt index in the range from 2 to 40 grams/10 min under condition G of ASTM test D 1238-73; said second phase consisting of from more than 40 and upto 70 parts of poly (vinyl chloride) (PVC) forming the second phase, and said third phase consisting of from 10 to 30 parts of chlorinated polyethylene- (CPE), at least 5 parts of which has a Cl content sufficient substantially to maintain its crystallinity with the proviso that there is more PVC than PO,and at most an equal amount by weight of PO and PO-G so as to pro-- vide the continuous first phase in a substantially rigid blend, and PVC and CPE the dispensed phases.

(Complete Specification 31 Page;; Drawings Nil)

Ind. Cl. ; $32F_2$ 140 A_2 178455

Int. Cl^4 : C07C 143/55

A COMPOSITION FOR USE AS A EMULSIFIER, THICKNER OR A SURFACE ACTIVE AGENT IN FUNCTIONAL FLUIDS.

Applicant: THE LUBRIZOL CORPORATION, A CORPORATION OF THE STATE OF OHIO, UNITED STATES OF AMERICA, OF 29400 LAKELAND MOULEVARD, WICKLIEFE, OHIO 44092, UNITED STATES OF AMERICA.

Inventor : WILLIAM ALBERT HIGGINS, U.S.

Application for Patent No. 514/Del/88 filed on 10th June 1988.

Ante-dated to 5-11-1985.

Divisional to the Application No. 926/Del/ 85 filed on 5th November, 1985.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-5.

2 Claims

A composition for use as an emulsifier, surface active agent or thickner in functional fluids which comprises from 40% to 70% of water and at least one N-acylated aminohydrocarbyl sulfonic acid or its derivative, said, sulfonic acid being characterised by the presence, within the structure of at least one acyl, acylimidoyl or acyloxy group attached to the amino nitrogen, said groups being derivatives of the carboxylic acid groups contained in an interpolymer of (i) at least one olefin monomer of the kind such as herein described and (ii) at least one alpha, beta-unsaturated acid or derivative thereof of the kind such as herein described.

Ref : US Patent Nos. 3926820, 3991079, 3932288, 3188307.

Agent : Ramfry & Sagar.

Compl. Specn. 57 pages Drgns. 3 sheets

Ind. Cl. : 1284 + 154 D 178456

Int. $Cl.^4$: A 61 B—5/10,
G 06 K—9/00

AN IMPROVED PROCESS FOR THE PREPARATION OF A MEMBRANE USEFUL FOR DIAGNOSTIC PURPOSES AND DETERMINING THE GENETIC CHARACTERS IN BIOLOGICAL SAMPLES.

Applicant: COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED" BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventor ; LALJI SINGH.

Application for Patent No. 1000, Del/88 filed on 17-11-88.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

2. Claims

An improved process for the preparation of a membrane useful for diagnostic purposes and determining the genetic characters in biological samples which comprises washing the incubated membrane bounded with fragmented DNA substance and treated with denatured probe of the kind as here in described with a buffer having a salt concentration of 0.3 M NaCl and 0.03 M sodium citrate at a ph of 7, drying the membrane, rehydrating the dried memberane with a buffer containing Tris-HCl, NaCl, $Mgcl_2$ and iso octylphenoxy polyethoxy ethanol, polyethoxy chain containing approximately 10 ethoxy units, incubating the resulting membrane at 42^oC in buffer containing Bovine Serum albumin and treating the resultant membrane with streptavidin and a biotin conjugated polymer of alkaline phosphatase, and incubating the treated membrane with dyes consisting of Nitro-bluc-tetrazolkim. (NBT) and 5-bromo-4-chloro-3 indolyl phosphate (BCIP) to obtain the said membrane.

Compl. Specn. 20 pages Drgns. Nil

Ind. Cl. : 40 B 178457

Int. Cl^4 : B01J 23/32

A PROCESS FOR THE PREPARATION OF SOLID CATALYST.

Applicant : SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V., A NETHERLANDS COMPANY, OF CAREL VAN BYLANDTLAAN 30, 2596 HR THE NETHERLANDS.

Inventors : CLEMENT CHADWICK, BRITISH, ALAN VILLENA, DUTCH, RONALD PETRUS CLEMENS VAN GAAIEN, DUTCH.

Application for Patent No. 749/Del/89 filed on 23-8-1989.

Convention date 26-8-88/8320357/U.K.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

4 Claims

A process for preparing a solid catalyst component for use in alkene polymerization which campuses :

(a) halogenating in the presence of an electron donor, a magnasium compound of the formula MgRR' nco^2 in which R is an alkoxy or aryloxy group, R' is halogen, alkoxy or an aryloxy group and n is a number of from 0 to 2, with a halide of tetravalent titanium,

(b) contacting the halogenated product with a Indian of tetravalent titanium and

(c) contacting the resulting product with a dihalophenoxy-titanium halide or with a. dialkoxy-phenoAy-^tanium halide and recovering the solid product from the reaction mixture.

Compl. Specn. 17 pages Drgns. Nil

Ind, Cl. : 155 (.2) 178458

Int. Cl4 : B 21 H, 5/00,

"PROCESS FOR PRODUCING FLAME-RETARDANT HIGH-TEMPERATURE, RESISTANT PAPERLIKE MATERIALS BASED ON POLYIMIDF. POLYMERS",

Applicant : LENSING AKTIENGESELLSCHAFT, A COMPANY ORGANISED AND EXISTING UNDER THE LAWS OF AUSTRIA, OF A-4860 LENZING. AUSTRIA.

Inventor(s) : WALTER LOY, AUSTRIA,
ROBERT VODIUNIG, AUSTRIA;
KLAUS WEINROTTER, AUSTRIA;
MANFRED SCHOBESBERIGER, AUSTRIA;
CLAUS SCHOBESBERGHR, AUSTRIA.

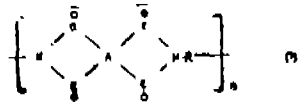
Application for Patent No. 1079/Del/89 filed on 20-11-89.

Appropriate Office for Opposition Proceeding (Rule 4, Patent Rules, 1972) Patent Office Branch, Karol Bagh, New Delhi-110 005.

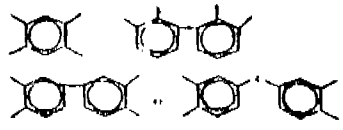
(Claims 7)

A process for preparation of flame retardant high ternperatnie resistant paper like material based on polymers which. comprises preparing an aqueous suspension of polymer fibers

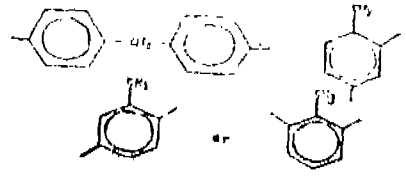
and/or fibrids, converting said aqueous suspension into a nonwoven, wet pressing and drying said nonwoven in any known manner to produce paid paper like material characterised in that said polymers comprises polyimide polymers of the general formula



wherein n is an integer greater than 1 and A represents a four-valent aromatic group selected from



wherein X is CO, CH_2, O.S. CF_2 and R represents at least one of the following divalent aromatic groups selected from



which material exhibits a weight per unit area of between 20 and 1.100 g/cm^2 a limited oxygen index (LOl) value 01 at least 32% oxygen and a TG point of at least 300°C, said polymer fibres and said polymer fibrids have structural units of the general formula 1 wherein, n. A.X and R have the meaning indicated above, and that the polyimide fibres required for the formulation of a nonwoven are used in a disintegrated stale, i.e., having fiber lengths of from 0.0.1 to 120 mm.

(Complete Specification 33 pages. Drawing Sheet Nil)

Ind. Cl. : 40 B 178459

Int. Cl.[4] : C 12 F. 3/08

A PROCESS FOR THE MANUFACTURE OF ALCOHOLS.

Applicant . EXXON CHEMICAL PATENTS, INC., OF 200 PARK AVENUE, FLORHAM PARK, NEW JERSEY 07932, UNITED STATES OF AMERICA.

Inventors : : VAN DRIESSCHE EDDY, BELGIUM, CAERS RAF, BELGIUM, OLIJVE MATTHEV DERK, DUTCH, DE MUNCK NICOLAAS ANTHONY, DUTCH, HANIN JEAN ALEXANDRA ANDRE, FRANCE, VAN VLIET ARIE, FRANCE.

Application for Patent No. 1157/Del/89 filed on 6-12-89,

Convention date 8-12-88/No. 8828695.0/GB.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

6 Claims

A process for the manufacture of alcohols which comprises subjecting olefinic hydrocarbons such as herein described to a conventional oxonation reaction with a synthesis gas consisting of carbon monoxide and hydrogen in the presence of a conventional cobalt catalyst to obtain corresponding aldehyde and hydrogenating said aldehyde by any conventional method to obtain a reaction product containing oil/water mixture and corresponding alcohol and separating said alcohol in any known manner characterised by leaving 1 to 3 volme % carbon dioxide in said synthesis gas so that the carbon dioxide level in said reaction product is increased and/or recycling hydrogen with 10 to 15 volume % carbon dioxide for said oxonation to enhance the carbon dioxide level the water phase to promote formation of cobalt carbonate, allowing said cobalt carbonate to settle, removing said cobalt carbonate in any known manner and recycling said cobalt carbonate as catalyst to said oxonation reaction,

Compl, Specn. 16, pages Drgns. 1 sheet

Ind. Cl. : 32 B 178460

Int. Cl.[4] : C07C 2/46

A PROCESS FOR THE SINGLE SLEP CONVERSION OF METHANOL TO HYDROCARBONS RICH IN LIGHT OLEFINS.

Applicant: COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG. NEW DELHI-110 001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventors: PAUL RATNASAMY, BOLLAPRAGADA SESHAGIRI RAO, ASHA JEEVAN CHANDWADKAR, IKKANDATH BALKRISHNAN, RAFIQUE AHMED SHAIKH.

Application for Patent No. 1231/Del/89 filed on 26-12-89,

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

2 Claims

A process for the single step conversion of methanol to hydrocarbons rich in light olefins which comprises heating the methnol or a mixture of methanol with water in vapour phase in the temperature range of 500—600°C and WHSV 0.5 to 5.0 hr^{-1} in the presence of the catalyst composite material such as lanthanosilicate optionally impregnated with cation & having composition in terms of mole ratio of oxides of formula :

$$0.01\_0\text{-}3\ M_2O : La_2O_3 : 30—200\ SlO_2 : ZH_2O$$

wherein M is a monovalent cation like sodium, ammonium, hydrogen or mixture thereof, and Z is-20 and characterised with an x-ray diffraction pattern and infrared absorption spectrum as follows in Table I & II.

Table 1

x-ray differention pattern of lanthanosilica catalyst

20	d—spacings A°	1/10x100
7.9	11.182	76,29
8.8	10.040	82.47
13 .24	6.681	7.22
13.95	5.374	9.8
14.8	5.980	22.63
15.6	5.676	10 .82
15.95	5.552	11.34
16.60	5.336	3.09
17.40	5,092	12.89
17.91	4.951	6.18
19.38	4.576	7.73
20.47	4.335	12.89
20.95	4.237	4.12
21.91	4.053	7.22
22.3	3. 83	100.00
23.2	3.831	65.40
23.4	3.798	48.97
24.0	3.705	14.95
24.24	3.669	
24.00	3.601	15.46
26.70	3.424	9.28
26.06	3.336	7.73
27,60	3.292	12.37
27.60	3.229	5.15
29.37	3.038	7.73
29.53	3.022	7.22

Table 2

Framework vibration frequencies of lanthanosilicate $SiO_2La_2O_3$=90

Frequency CM^{-1}	Intensity
453	VS
560	S
595	Sh
642	Sh
685	VW
740	MS
810	MS, B
1100	VS, B
1230	Sh

*VS=Very strong, S = Strong, Sh= Shoulder, VW=Very weak, MS=Medium strong, B=Broad.

Ref : Nil

(Complete Specification 33 pages Drawing Sheet Nil)

Ind Cl. : 77 D 178461

Int. Cl^4 ; C 11 B, 3/10

PROCESS FOR THE PREPARATION OF A PURIFIED GIVCERIDE OIL BY THE REMOVAL OF TRACE CONTAMINANTS, SPECIFICALLY PHOSPHOLIPIDS AND ASSOCIATED METAL TONS, FROM A CONTAMINATED GLYCERIDE OIL.

Applicant : W. R. GRACE & CO., A CORPORATION ORGANISED AND EXISTING UNDER THE LAWS OF THE STATE OF CONNECTICUT, OF 1114, AVENUE OF AMERICA, NEW YORK, NEW WORK 10036, UNITED STATES OF AMERICA.

Inventor ; WILLIAM ALAN WELSH.

Application for Patent No, 0002/Del/90 filed on 1-1-1990.

Ante dated 17-9-1987.

Divisional to Patent No. 815/Del/87 filed on 17-9-1937.

Appropriate Office for Opposition Proceedings (Rule 4. Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

6 Claims

A process for the preparation of a purified glyceride oil by the removal of trace contaminants specifically phospholi pids and associated metal ions, from a contaminated glyceride oil which comprises ;

contacting a such a contaminated glyceride oil having a phosphorous content in excess of about 1.0 ppm with an adsorbent in the form of a partially dried amorphous silica hydrogel having a moisture content of at least about 25 weight percent and an average pore diameter of about 60 Angstroms or less, until said trace contaminants have been adsorbed on to the said adsorbent and separating in any known manner the resulting phospholipid and metal ion-depleted glyceride oil from said adsorbent,

(Compl. Specn, 26 pages Dig, Sheet nil)

Ind. Cl, : 32 B + C 178462

Int. Cl^4 : C 07 C 4/06 '.
C 08 F 4/80

A PROCESS FOR PRODUCING ISOMERS OF PARAFFIN HYDROCARBONS.

Applicant: UOP INC., A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF DELAWARE, UNITED STATES OF AMERICA, OF 25 EAST ATGONQUIN ROAD, DES PLAINES, ILLINOIS 60017.

Inventors : (1) JAMES ALBERT JOHNSON,
(2) ROBERT JAMES SCHMIDT,
(3) STEVEN THEODORE BAKAS,
(4) STEVEN W, COLE.

Application for Patent No. 19/Del/90 filed on date 4-1-90.

Ante dated to 24-4-87.

Divided out of Application No. 361/Del/87 (Sl. No. . . . . .) dated : 22-4-87.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

(Claims 4)

A process for producing isomers of paraffin hydrocarbons which comprises contacting a feed stream containing said hydrocarbons and a hydrogen stream at conventional isomwization. conditions in the presence of a formed catalytic composite comprising a combination of 0.1 to .5 percent by weight of a platinum group metal component with a support containing hydrogen form crystalline mordenite in an amount of from 75 to 95 percent by weight of the composite and refractory inorganic oxide, with said formed composite having a surface area of at least $580m^2/g$.

(Complete Specification 20 pages Drawings 2 Sheets)

Ind, Cl. : 36A 2 & 37 B^2 178463

Int. Cl. : F01C 1/00, 1/07, 7/00.

LUBRICATING MEANS FOR A HERMETIC HORIZONTAL SCROLL COMPRESSOR.

Applicant : CARRIER CORPORATION. A CORPORATION OF THE STATE OF DELAWARE, UNITED STATES OF AMERICA OF CARRIER PARKWAY, P.O. BOX 4800, SYRACUSE. NEW YORK 13221, UNITED STATES OF AMERICA.

Inventor : RAYMOND LEON DEBLO1S, RICHARD CLARK STOERELER, DAVID JAMES MCFARLIN AND HOWARD HENRY FRASER, JR.

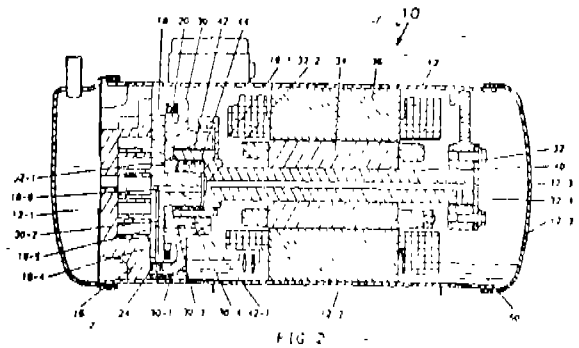
Application for Patent No. 57/Del/90 filed on 23-01-1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

(Claims 5)

A lubricating means for a hermetic horizontal scroll compressor including a shall containing a fixed and an orbiting scroll, a crankcase, a crankshaft, bearings for suppporting said crankshaft, means for driving said crankshaft, an anti-ratation means for limiting said orbiting scroll to orbiting motion and an oil sump means characterised by a piston bore (24-1 ; 180-3 ; 280-3) in fluid communication with said oil sump; a piston means (22; 122; 222; 322) reciprocates in said piston bore and move in concert with said orbiting scroll; a lubrication distribution means (18-4) in fluid

communication with said piston bore for delivering oil to lubricate said piston bore for delivering oil to lubricate said orbiting scroll, said crankshaft and said bearing.



(Complete Specification 13 pages Drawing Sheets 7)

Ind. Cl. : 32F8a. 178464

Int. Cl^4 : C 07 B 41/06

AN IMPROVED PROCESS FOR PRODUCING ACTIVE CARBONYL COMPOUNDS.

Applicant : BP CHEMICALS LIMITED A BRITISH COMPANY, OF BELGRAVE HOUSE, 76 BUCKINGHAM PALACE ROAD, LONDON SWIW . OSU, ENGLAND.

Inventor: JOHN RICHARD BLACKBOROW.

Application for Patent No. 144/Del/90 filed on Date 10-02-90.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

(Claims 5)

An improved process for producing active carbonyl compounds of the kind such as herein described predominating in aldehyde groups from polybutenes having at least 50% of the unsaturation in the terminal position, the process comprising :

(a) epoxidising in any known manner such as herein, before described the polybutene in the liquid phase with a peroxygen compound or a compound capable of giving rise to a pcroxygen compound under the reaction conditions and

(b) isomerizing in any known manner the epoxide formed from step (a) to the corresponding carbonyl compound,

(Complete Specification 13 Pages Drawings Nil)

Ind. Cl, : 35 C. 178465

Int. CL^4 : C04B,.26/00

PROCESS FOR "(HE MANUFACTURE OF REHABILITATED INTERNALLY REINFORCED CONCRETE.

Applicant & Inventor: OYSTEIN VENNESLAND OF HOLSETH, MOHOLTEN. 7000-TRONODHEIM, OLE ARFINN OPSAHL, OF MILORGUN 55, 3035-DRAMMEN, NORWAY, & JOHN B. MILLER OF BERGTUVN 9B, 1087-OSLO 10, NORWAY.

Application for Patent No. .152/Del/90 filed on 14-05-90

Convention date : (1) 366204/07-07-89 CA.
(2) 605029, 06-09-90/CA.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005,

(Claims 16)

A process for the manufacture of rehabilitated internally reinforced concrete (10) which comprises applying to an exterior surface of said concrete a temporary coating (12) of an electrolytic material of the kind such as herein described embedding in said coating an electrode (13),.applying a DC voltage between the internal reinforcement (11) of said concrete and said electrode (13,), said DC voltage being 40 volt's of below to provide a current flow of 1 to 5, Amp/M^2 discontinuing said voltage when sufficient electrochemical treatment of said concrete been effected and finally removing said electrode and said coating, wherein a fibrous cellulosic pulp as electrolytic material is used, the pulp fibres thereof being premised with liquid to form a self-adherent material such as herein described, and that self adherent material being sprayed onto the exterior surface (15) of said concrete (10) and embedding therewith a distributed electrode (13) in said coating (12) and that the adherent electrolytic coating is periodically remoistened during the process.

(Complete Specification 26 Pages Drawing Sheet 1)

Ind, Cl : 208 178466

Int. $Cl.^4$: B 41J 27/00, 31/00,

A RIBBON CARTRIDGE FOR A PRINTER.

Applicant : LEXMARK INTERNATIONAL, INC, A DELAWARE CORPORATION, OF 55 RAILROAD AVENUE, GREENWICH, CONNECTICUT 06836, UNITED STATES OF AMERICA.

Inventor : KEVIN FRANCIS BULSON, CHARLES LEONARD DECOSTE, JACK WILLIAM MORSIS.

Application for Patent No. 541/Del/90 filed on 6th June, 1990.

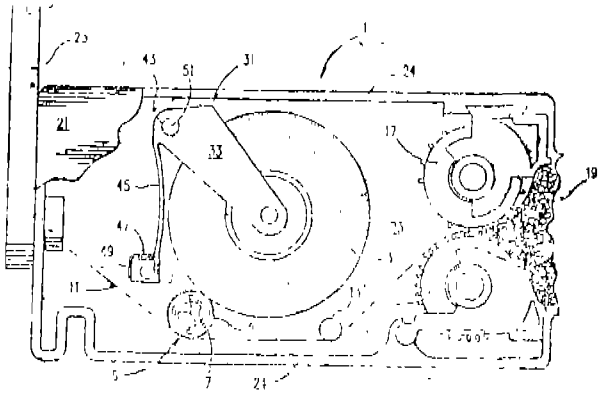
Conventional data : U.K. Patent Application No. 8922291.3 dated 3rd October 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005,

(Claims 13)

A cartridge containing a continuous printer ribbon which exits said cartridge for printing and then is returned to said cartridge comprising a porous re-inking roller mounted for rotation, a transfer roller mounted for rotation by a hole in said transfer, roller central to said transfer roller and a shaft fixed relative to said central hole, said central hole being larger than said shaft and said shaft and said central hole being in locations which position said transfer roller in firm contact with said re-inking roller when said central hole contacts said shaft on the side of said shaft away from said reinking roller and which permit movement of said transfer roller away from a firm contact with said re-inking roller, said ribbon being mounted in contact with the side of said transfer roller away from said re-inking roller so that feeding of said ribbon for printing will rotate said transfer roller and move said transfer roller into contact with said re-inking roller to rotate said re-inking roller while releasing ink from said re-inking roller to re-ink said ribbon, and a chamber into

which said ribbon is stuffed after contact with said transfer roller and before exit of said ribbon from said chamber for printing,



Complete Specification 10 Pages - Drawing 3 Sheets

Ind. Cl. : 206 E 173467

Int. Cl.[4] : G 0* F 13/00.

APPARATUS FOR TRANSFERRING SIGNALS BETWEEN RECORD MEDIUM AND. HANDLING UNIT.

Applicant : INTERNATIONAL BUSINESS MACHINES CORPORATION, A COMPANY ORGANISED AND EXISTING UNDER THE LAWS OF THE STATE OF NEW-YORK, UNITED STATES OF AMERICA, OF ARMONK, NEW YORK 10504, UNITED STATES OF AMERICA. -

Inventor : JAMES MITCHELL KARP STEVEN WAYNE ROACH, RICHARD CRANE SCHNEIDER AND STEPHEN CHARLES WEST.

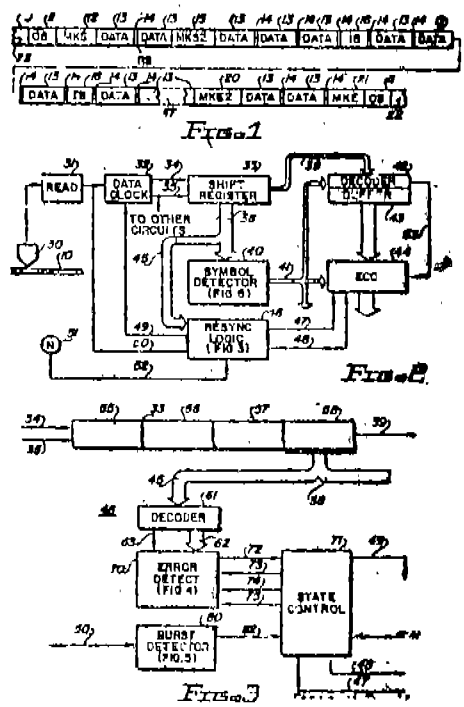
Application for Patent No, 6I2/De1/90, filed on 21-06-1990.

Convention Data : GB/8922295.4/03-10-1989 & CA/2000013/02-10-1989.

Appropriate, Office for Opposition Proceedings (Rule 4. Patents Rules, 1972) Patent Office Branch New Delhi-110005.

(Claims 10)

Apparatus for transferring signals between record medium end a data handling unit comprising in combination resyne means for processing a re-synchronization set of signals for each predetermined number of data signals being transferred between the record medium and the data handling unit transducer means for transferring signals therewith and for pro cessing error detection and correction signals with the data signals for effecting error detection and correction interleaving means connected to the ECC means for transferring signals therewith a groups of signals of predetermined number of error redundancy signals ; error pointing means connected to the interleaving means for transferring signals therewith which include a plurality of the groups, of signals interleaved, processing error pointing signals with each of the segments of the signals, one error pointing signals for each segment of each the group of signals and being coupled to the resyne means for interposing resyne signals between fixed size segments of the interleaved data signals including assigning the error redundancy signals in limited ones of the segment and means connecting the error pointing means to the transducer means for exchanging signals therewith.



(Complete Specification 36 Pages; Drawing Sheets 5).

Ind. Cl. : 40 F. 178408

Int, Cl.[4] : CO 1B 31/20.

A PROCESS FOR THE GENERATION OF INERT GAS-MAINLY A MIXTURE OF NITROGEN AND CARBON DIOXIDE BY FLUIDISED BED) COMBUSTION OF COAL LIGNITE OR WASTE FUELS LIGNITE OR WASTE FUELS.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA, AN INDIAN RRGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventors : SHREE KANT VERMA
MRINAI, KANTI MUKHERJEE
BARUN KUMAR MALL
TARUN KANTI BHOWMIK
NIRMAL CHANDRA BHATTACHARYA
SANDIP KUMAR MAITRA
GOURI SHNKAR DUTTA
RATAN RANJAN BISWAS
MANOJ MOHAN SEN
SAROJ KANTI MAJUMDAR
REZAUL HAQUE

Application for Patent No. 621/Del/90 filed on 22-06-90,

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005,

3 Claims

A process for the generation of inert gas mainly a mixtvn of nitrogen and carbondioxide by fluidised bed combustion of coal lignite or waste fuels, which comprises crushing, screening/sieving the coal, lignite or waste fuels to obtain fuel size 6 mm, charging the screened fuel into a combustor having a bed of screened ash from coal, lignite sand or refractory materials and dry lignite of 3mm size, igniting the bed by conventional methods keeping the temperature of the bed at about 700°C while charging the screened fuel, raising and maintaining the temperature of the combustion bed to 850°C--950°C thereafter removing , cleaning and cooling the inert gas produced by conventional methods.

Compl. Specn. 9 pages Drng, sheet nil

Ind. Cl. : 89, 105B 178469

Int. Cl[4] : G01B 3/18, G12 B 11/00.

"A MICROMETER".

Applicant : BALAKRISHNAN ACHARI, AN INDIAN NATIONAL OF E-54, NIRMAL PURI, LAJPAT NAGAR-IV, NEW DELHI-110 024.

Inventor : BALAKRISHNAN ACHARI.

Application for Patent No. 713/Del/90 filed on 13-7-1990

Appropriate Office- for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office Branch, Karol Bagh, New Delhi-110 005.

(Claims 5)

An improved dial micrometer comprising a handle H rotatably connected to a small toothed wheel HW through a clutch system, said toothed wheel being connected to screw wheel SW coating with a screw SL provided to move up and down so as to bring it near or away from a fixed part F of said micrometer, said screw wheel being connected movably to a wheel CW mounted on the shaft of the minute tend or pointer MH said minute hand or pointer MH being connected with the hour and second hands or pointer MH SH through a gear system such that upon rotating said screw wheel SW said pointer/hands show the reading of the measurement of an article directly on the dial of the said micrometer.

Ref. : NIL.

Agent : L. S. DAVAR & CO.

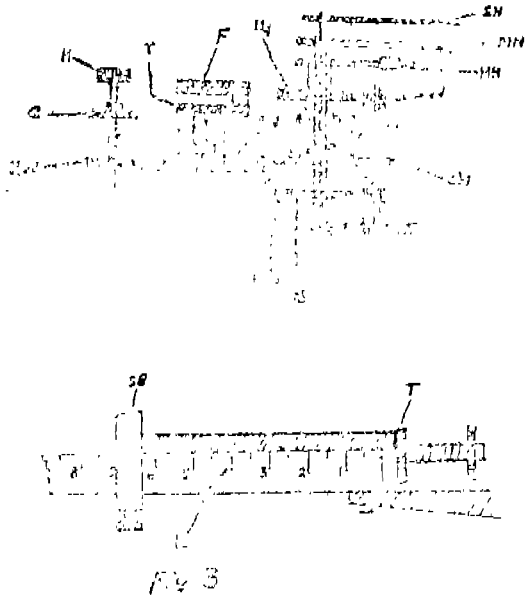


Fig 3

Complete Specification : 12 pages Drawing Sheet l)

Ind. Cl. 32 B 178470

Int. Cl[4] : C 10 G 5/00.

A TWO STEP PROCESS FOR PRODUCTION OF LIQUID HYDROCARBONS FROM NATURAL GAS,

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110 001, INDIA,

Inventor : VASANT RAMCHANDRA CHOUDHARY SUBHASH DWARKANATH SANSARE, AMAJEET MUNSHIRAM RAJPUT.

Kind of Application : Complete.

Application for Patent No. 714/Del/90 filed on 13-7-90.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office Branch, Karol Bagh, New Delhi-110 005.

(Claims 10)

A two-step process for conversion of natural gas to liquid hydrocarbons of gasoline range comprising the two consecutive steps the first step comprises passing continously natural gas and oxygen (or air) along with steam through an empty tubular reactor at a pressure in the range of 0.5-3.0 atm. temperature in the range of 600-1100oC, O2/natural gas ratio of 0.001-0.5, team/natural gas ratio of 0.001-10 and gas hourly space velocity in the range of 200-50 0000, h^{-1} and separating the water from the product stream by known method, and the second step comprises passing continuously the gaseous product stream of the first step over a solid acid catalyst, containing high silica pentasil zeolite having channel diameter of 5-6Ao, in a fixed bed reactor at a pressure in the range of 1-50 atm temperature in the range of 250-700oC and at a gas hourly space velocity in the range of 100-500,000h^{-1}, separating the liquid hydrocaibons and oxide of carbon by known manner and. if required. recycling the C1-C2 hydrocarbons or C1-C4 hydrocarbons and unconverted oxygen to the first step.

Ref. : Nil-

Agent :

(Complect Specification 22 pages Drawing Sheets Nil)

Ind. Cl. : 206E 176471

Int. Cl[4] : B 41B 19/00

PERSONAL COMPUTER POWER SUPPLY.

Applicant : INTERNATIONAL BUSINESS MACHINES CORPORATION, A COMPANY ORGANISED AND EXISTING UNDER THE LAWS OF THE STATES OF NEW YORK, U.S.A: OF ARMONK, NEW YORK 10504, U.S.A.

Inventors: ROGER LAWERENCE COX. MICHAEL JOSEPH DELOYE, ROBERT LEE MYERS.

Application for Patent No. 0739/Del/90 filed on 20-7-90.

Appropriate Office for Opposition Proceeding! (Rule 4, Patent Rules, 1972) Patent Office Branch, Karol Bagh, New Delhi-110 005.

(Claims 9)

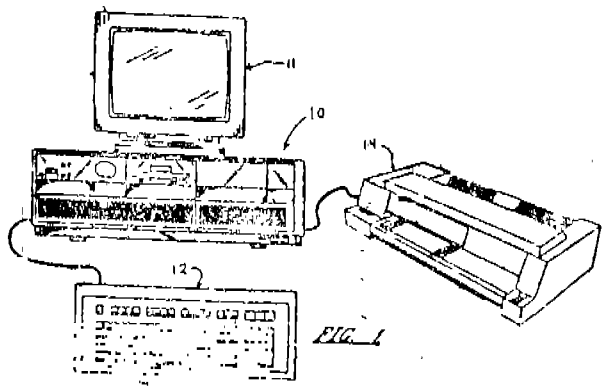
A personal computer having a power supply comprising :

electrically powered data processing and storage components for processing and storing digital data, and a pulse width modulation switching power supply for connection with an alternating current eltctrical main supply and for applying direct current electrical power to said data processing and storage components for enabling operation thereof, said power supply comprising :

means for responding to the presence and absence of a low voltage direct current electrical signal by enabling and disabling the supply of electrical power to said data processing and storage components, and

a signal generator circuit connected with said means nil with an alternating current elctrical main supply for supplying a low voltage direct current signal for delivery to said means,

whereby a user of the personal computer controls energization of the electrically powered data processing and storage components by controlling the application of said low voltage direct current signal from said signal generator circuit to said means.



(Complete Specification 17 pages; Drawing 4 Sheets)

Ind. Cl. : 206 E 178472

Int. Cl. : B41B, 19/00.

MICROCOMPUTER WITH SHIELDING ENCLOSURE FOR ATTENUATING THE ELECTROMAGNETIC RADIATION.

Applicant : INTERNATIONAL BUSINESS MACHINES CORPORATION, A COMPANY ORGANISED AND EXISTING UNDER THE LAWS OF THE STATE OF NEW YORK, UNITED STATES OF AMERICA, OF ARMONK, NEW YORK 10504, UNITED STATES OF AMERICA.

Inventors, : JEFFREY WILLIAM BENCK, JAMES WILLIAM DEISO, JOSE EDMUNDO RICHARDS, BRAIAN ALAN TRUMBO.

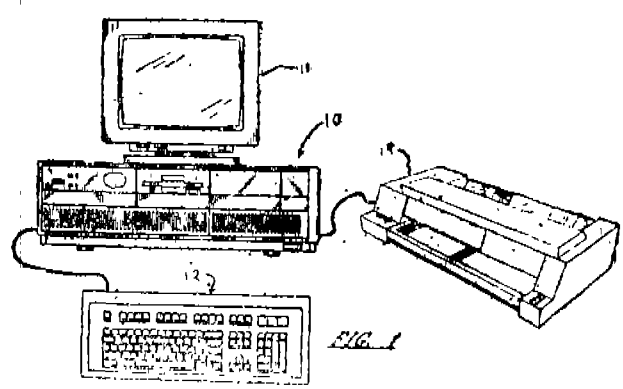
Application for Patent No, 740/Del/90 filed on 20th July, 1990.

Conventional data : U.K. Patent Application. No. 09015946.8 dated 20th July, 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office Branch, New Delhi-110 005.

(Claims 13)

A microcomputer with shielding enclosure for attenuating the electromagnetic radiation, comprising a chasis for mounting a planar board and having a base, a generally planar front panel of electrically conductive metal and a rear panel, a cover of non-conductive synthetic material for engaging said chassis and forming with said chasis an enclosed volume for containing components of the microcomputer, said front panel defining a plurality of bays each for receiving a data storage device, and at least one manually removable shield member mounted in said bay.



(Complete Specification 20 pages; Drawing 6 Sheets)

3--47 GI/97

Ind. Cl. : 35 E 178473

Int. Cl[4] : C 04 B 35/52.

A PROCESS OF PREPARING AN ANHYDROUS COMPOSITION SUITABLE FOR PLUGGING THE TAP HOLES OF HIGH TOP PRESSURE BLAST FURNANCES.

Applicant : STEEL AUTHORITY OF INDIA LTD., RESEARCH & DEVELOPMENT CENTRE FOR IRON AND STEEL. A GOVT, OF INDIA ENTERPRISE S HAVING ITS REGISTERED OFFICE AT ISPAT BHAWAN.

Inventors : SACHI DULAL MAJUMDAR,
SWAPAN ROY CHOWDHURY,
ANANTA KUMAR SINHA.

Application for Patent No. 1035/Del/90 filed on 17th October, 90.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office Branch, New Delhi-110 005.

(Claims 6)

A process of preparing an anhydrous composition suitable for plugging the tap holes of high top pressure blast furnances, which composition comprises ingredients in preferred proportions, such as herein described, and which process comprises the steps :

(a) mixing 15-25% of coke fines (0-3 mm) and 25-35% of plastic fire clay fines (0-1 mm) by weight of the composition in a pan mixer, for 5 to 8 minutes;

(b) adding 19-39% of fire clay grog (0-3 mm)/quartzite fines (0-2 mm)/calcined bauxite (0-2mm) by weight of the composition to the mixture obtained in step (a), followed by mixing for another 5 to 10 minutes;

(c) adding 10-15% of silicon carbide fines (-0.1 mm) and 1-2% of tri-sodium phosphate fines (-0.5 mm) by weight of the composition to the mixture obtained in step (b), followed by mixing for 2 to 4 minuter;

(d) discharging the mixture obtained in step (c) and charging it into a grain heater;

(e) heating the mixture in the grain heater at 140°C for 1.5 to 2 hours to bring down the moisture content of the mixture to less than 1%;

(f) discharging the dried mixture from the grain heater to a planetory stationary pan-mixer;

(g) coolms the dried mixiure to room temperature;

(h) mixing the dried and cooled mixture with 12-14.5% of extra hard pitch powder (-0.1 mm) and 2.5-5% of resin powder (95% to pass through 0.1 mm) by weight of the composition for 2 minutes at a temperature upto 50°C, avoiding melting of pitch and curing of resin;

(i) adding 2-4% heavy oil and 12-14% pitch creosote-mixture in sequence by weight over 100% weight of the composition and further mixing for 3-5 minutes; and

(j) discharging the anhydrous composition produced.

(Complete Specification 25 pages; Drawings 1 Sheet)

Ind. Cl. : 32 F-l 178474

Int. Cl^4 : C 07 C 51/00.

AN IMPROVED PROCESS FOR THE PREPARATION OF OPTICALLY ACTIVE ALPHA—ARYL PROPIONIC ACIDS.

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110 001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

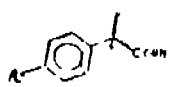
Inventors : UMESH KRISHNARAO JOSHI,
HARIKISAN RAKHAMAJI SONAWANE,
NAGARAJ RAMANUJ AYYANGAR.

Application for Patent No. 1082/Del/90 filed on 31-10-90.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office Branch, New Delhi-110 005.

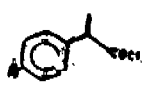
(Claims 4)

An improved process for the preparation of optically active alpha aryl propionic acid of the formula E



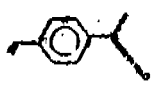
E

where R represent hydrogen, methyl, ethyl, n-propyl, iso-propyl, n-butyl, chloro methoxy, or phenyl which comprises reacting the said chloride of the corresponding recemic alpha aryl propionic acid of the formula B



B

where R has the meaning given above with conventional organic base to form in situ corresponding ketene of the formula C

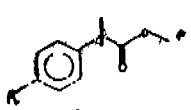


C

where R has the meaning given above, reacting the ketene with an optically active isopinocamphenol of formula F

F

to form the corresponding optically active esters of the alpha aryl propionic acid of the formula D



D

where R has the meaning given above and hydrolysing by conventional acids, the said optically active ester to the corresponding optically active alpha aryl propionic acid of formula E.

(Complete Specification 12 pages; Drawings 1 Sheet)

Ind. Cl. ; 24 (C), 133 (A, B) 178475

Int. Cl^4: G 05 B, 11/00
H 02 P. 3/02.

AN APPARATUS FOR CONTROLLING AN ELECTRIC MOTOR.

Applicant : ALLEN-BRADLEY COMPANY, INC., A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF WISCONSIN, UNITED STATES OF AMERICA, OF 1201 SOUTH SECOND STREET, MILW.AUKEE, WISCONSIN 53204, U.S.A.

Inventors : JOHN CHARLES MERRISON,
ROBERT JAY DELANGE,
TIMOTHY MICHAEL ROWAN.

Application for Patent No. 1130/Del/90 tiled on 14 November, 1990.-

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office Branch. New Delhi-110 005.

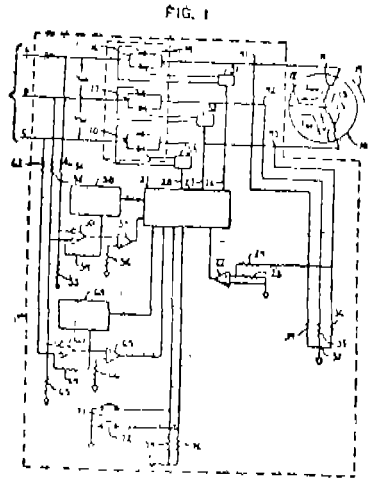
(Claims 8)

An apparatus for controlling an electric motor having first, second and third windings supplied by a source of alternating voltage having three phases -A, B and C, said apparatus comprising :

first, second and third, switch means 14(16,17,18) respectively coupling the first, second and third windings 11, 12, 13 to the three phases A, B and C of the source when said switch means 14(16,17,18) are rendered conductive by trigger signals; and

control means 20(2.1-24, 55, 58, 65, 68, 50, 60) for applying trigger signals to said switch means 14(16,17,18) to produce a negative motor torque; wherein when the speed of the motor 10 is above a first predefined level, trigger signals are applied to said first and second switch means 16,'17 in response to the polarity of the voltage phases A. and B being opposed to the polarity of back emf. voltage induced across said third winding, 13 and when the speed of the motor 10 is below the first predefined level, trigger signals are applied to said second and third switch means 17, 18 in response to the polarity of the voltage between phases B and C being opposed to the polarity of back emf voltage induced across said third winding 13.

FIG. 1



(Complete Specification 24 pages; Drawings 4 Sheets)

Ind. Cl. ; 70 2 178476

Int. Cl[4] : H 01 M 6/00, 10/00.

AN IMPROVED PROCESS FOR THE PREPARATION OF Li_2 So_4- Ag_2 So_4 SOLID ELECTROLYTE SUITABLE FOR USE IN SOLID STATE BATTERIES.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELH1-110 001, INDIA. AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventors : KAMAL SINGH.

Application for Patent No. 1136/Del/90 filed on 19th November, 1990.

Complete left after provisional specification on 18-09-91.

Appropriate Office for Opposition Proceedings. (Rule 4, Patent Rules, 1972; Patent Office Branch, Karol Bagh, New Delhi-110 005,

5 Claims

An improved process for the preparation of

Li_2 So_4 : Ag_2 So_4 solid electrolyte suitable for use in solid stale batteries, which comprises dryling completely Li_2 So_4 and Ag_2 So_4 of AR grade at a temperature 473"K for a period of 48 hrs., mixing thoroughly the dried materials in any mole ratio in presence of acetone, drying the resultant mixture at a temperature in the range of 323 to 773°K . for a: period, of 6 to 8 hrs., heating the dried mixture in,crucible at temperature 293K above the melting point of the mixture to obtain a homogeneous melt," quenching the molten mass by passing through a twin roller assembly such as herein described, followed by crashing of the resultant thin flakes.

(Provisional Specification 4 pages; Drawing 1 Sheet)

(Complete Specification 12 pages; Drawing Sheet Nil)"

Ind. Cl. : 62 D, 155 B & F-l 178477

Int. Cl[4] : D 06 3/00.

"A PROCESS FOR THE PREPARATION OF A SIZING AGENT'.

Applicant : BHARAT SI ARCH & CHEMICALS LTD., N-75, " CONNAUGHT CIRCUS, NEW DELHI-110 001, INDIA.

Inventor : KARAN THAPAR.

Application for Patent No". 1159/Del/90 filed on 23rd November, 1990.

[Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office Branch, Karol Bagh, New Delhi-110 005,

7 Claims

A process for the preparation of a sizing agent for use in the textile industry comprising preparing sulphated starch in the manner as herein described, preparing carboxy methyl starch and carboxy methyl cellulose in the manner as herein described and ,then adding 65 to 75% by weight of sulphated starch, 15 to 25% by weight of carboxy methyl starch and 5 to 15% by weight of carboxy methyl cellulose and preparing a homogeneous mix thereof, to obtain said sizing agent.

(Complete Specification 12 pages; Drawing Sheet Nil)

Ind. Cl. : 70 B 178478

Int. Cl.[4]: C 25 B 11/06.

A. METALLIC ELECTRODE FOR ELECTROCHEMICAL. PROCESSES.

Applicant : CHEMET1CS INTERNATIONAL CO. LTD., OF JK18 CORNWALL AVENUE, VANCOURER, BRITISH COLUMBIA, CANADA V6J IC7.

Inventors : RAYMOND EWA.RT ALFORD,
IAN HARRY WARREN.

Application for Patent No. 1166/DeI/90-filed on 26-11-90

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office Branch, Karol Bagh, New Delhi-110 005,

8 Claims

A metallic electrode for electrochemical processes comprising a metal support and on at least a portion of said support, a conductive coating consisting essentially of a mixed oxide compound of (i) a compound of the general formula ABO_4 having a structure of rutile-type, where A it an element in the trivalent state selected from the group consisting A1, Rh, and Cr and B is an element in the pentavalent state selected from the group consisting of Sb and Ta, (ii) RuO_2, and (iii) TiO_2; wherein the mole fraction of ABO_4 is in the 0.01 to 0.42 range and the mole fraction of RuO_2 is in the range of 0.03 to 0.42 and the mole "fraction of TiO_2 is in the range of 0,14 to 0.96.

(Complete Specification 21 pages; Drawing Sheets Nil)

Ind, Cl. : 130 I 178479

Int. Cl.[4] ; C 22 B 13/04, 15/08, 19/22.

"A PROCESS FOR THE RECOVERY OF ZINC, LEAD AND COPER FORM ZINC PLANT RESIDUES CONTAINING FERRITES".

Applicant : VIRIDIAN INC. (FORMERLY AS SHERR1TT INC. FORMERLY KNOWN AS SHERRITT GORDON LIMITED), A COMPANY ORGANISED UNDER THE LAWS OF THE PROVINCE OF ONTARIO, OF 2800 COMMERCE COURT WEST, TORONTO, ONTARIO, CANADA,.

Inventors : DEREK E, KERFOOT,
MICHAEL J. COLLINS,
MICHAEL E. CHALKLEY.

Application for Patent No. 1263/Del/90 filed on 17-12-90.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office Branch, Karol Bagh, New Delhi-110 005,

8 Claims

A process for the recovery of zinc, lead and copper from zinc plant residues containing ferrites comprising steps of :

leaching said, zinc plant residues with return spent electrolyte containing H_2SO_4 to dissolve the ferrites and to maintain at least 50 g/L H_2SO_4 in a hot acid leach at a temperature in the range of 70° to 100°C and at atmospheric pressure to partially disolve zinc, copper, iron and impurity elements and to essentially leach sulphide copper;

treating the resulting leach slurry with zinc concentrate under oxidizing conditions at atmospheric pressure at a temperature in the range of 70°t to 100°C to consume excess acid from said hot acid leach and to increase the concentra-"" tion of zinc in the leach solution and continuing said treatment with zinc concentrate under reducing conditions to reduce ferric iron in solution to ferrous iron;

recovering excess zinc concentrate and elemental sulphur produced in the reaction of zinc concentrate with acid and ferric iron by zinc floration as a flotation concentrate;

subjecting zinc flotation tailings to a reducing leach in the presence of gaseous sulphur dioxide and elemental sulphur at a temperature in the range of 70° to 120°C with a sulphur dioxide overpressure of at least 30 kPa to extract zinc, copper iron and impurity elements, to reprecipitate copper as copper sulphide and to convert lead in farosite to lead sulphate; and

recovering copper sulphide and lead sulphate by conventional flotation methods and separating them from zinc values.

(Complete Specification 19 pages; Drawing Sheet 1)

Ind. Cl.. : 130 D 178480

Int. Cl.[4] : C22B 15/10, 23/04.

AN IMPROVED PROCESS FOR THE EXTRACTION OF NICKEL, COPPER & COBALT FROM MANGANESE SEA NODULES USING HIGH VOLATILE NON-COKING COAL AS REDUCTANT.

Inventors : ANIL KUMAR SAHA,
ZAH1D HUSAIN KHAN,
DWARKANATH DATTA RAM AKERKAR.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI 110 001,

Application for Patent N. 1285/Del/90 filed on 18-12-90.

Appropriate Office for Filing. Opposition Proceedings (Rule 4, 1972), Patent Office Branch, Karol Bagh, New Delhi-110005.

7 Claims

An improved process for extraction of nickel, copper and cobalt from manganese sea nodules, which comprises :

(i) Crushing and grinding of the managanese sea nodules in the- size of -60 mesh to 300 mesh,

(ii) Grinding the non-cokking coal in the size range of -60 mesh to 300 mesh BSS;

(iii) Blending the ground manganese sea nodules with 2 to 20% by wt. the ground non-coking coal and 5 to 10% by wt. additives such as sodium chloride, ammonium chloride,

(iv) Pelletising the blended mixture in the size range of 2 to 12 mm by conventional methods.

(v) Drying the resulting pellets in air.

(vi) Roasting of the dry pellets in the temperature range of 650° to 830°C for a period in the range of 30 min. to 120 minutes.

(vii) Cooling of the reduced pellets to room temperature in an inert atmosphere such,as nitrogen argon,

(viii) Grinding the cold pellets to a size fraction of -60 to 100 mesh BSS,

(ix) Oxidising of metallic iron present in the ground reduced nodules in strong ammonia and anmonium carbonate solution in the ratio of 1 : to reduced nodules,

(x) Leaching of the resulting slurry in ammoniacal solution in presence of oxygen and continuous aeration for period of 1 hour to 12 hours,, and

(xi) Filtering the leach liquor and processing the filtrate for recovering Ni, Cu, and Co by conventional processes.

Ind. Cl. : 55 E_2. 178481

Int. Cl.[4] : A61M, 37/04.

A PROCESS FOR MAKING AN IMPROVED TRANSDERMAL TOPE, PATCH FOR THE ADMINISTRATION OF PRIMAQUINE DIPHOSPHATE.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELH1-110 001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventors- : (1) GIRISH KUMAR JAIN
(2) SATYAWAN SINGH
(3) SUNIL KUMAR PURI
(4) GURU PKAKASH DUTTA
(5) JAGAT PAL SINGH SAREEN.

Application for Patent No. 10l/Del/92 filed on 10-2-1992.

Complete left after Provisional filed on 6-5-92.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

5 Claims

A process for making an improved transdermal tape/ patch for the administration of primaquine diphosphate, an antimalarial drug, which comprises making a reservoir like a dish or tray from an impervious material such us here-in described, by known methods for mounting a transdermal patch or tape containing the drug matrix consisting of 0.001% to 20.0% or premaquine diphosphate, 0.001% to 20.0% of a penetration enhancer selected from azone, n-ootanol, dimethyl sulphoxide, dimethyl acetamide, isopropyl palmitate, isopropyl myristate or a combination thereof along with 0.001 to 60% of plasticizer selected from propylene glycol, polypropylene glycol, polythylene glycol (PEG) 400 PEG 1000, PEG 1500, PEG 4000, PEG 6000, Polyvinyl alcohol, polyvinyl acetate, ethyl cellulose, hydroxy propyl cellulose, ethyl hydroxy ethyl cellulose,urea and, polyvinyl pyrrolidine, in an organic solvent such as dichlomethane, chloroform, ethyl acetate, acetone, methanol, ethanol or their mixtures thereof, covering the said reservoir containing the said, tape/patch with a thin, protective liner by fixing on the brim, of the reservoir using conventional adhesive,

(Prov. Secn, 9 Pages; Drg. sheet Nil.)
(Comp. Specn, 13 Pages; Drg. sheet Nil.)

Ind.- Cl. : 32 F2, 55 E4 178482

Int. Cl,[4] : A 61 K 31/00, C 07 D 295/00, C 07 C 9/00.

A PROCESS FOR THE SYNTHESIS OF NOVEL l-(4-SUBSTITUTED PHENYT.-PIPERAZIN-l-yl)-3- (THIO (4-SUBSTITUTED) PHENYL) PROPANES,

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-l10 001. INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

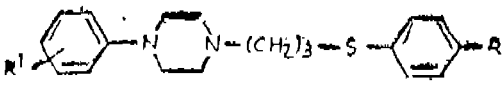
Inventors : JYOTI RAO,
ANIL KUMAR SAXENA,
RIKHAB CHAND SRIMAL,

Application for Patent No. 121/Del/92 filed on. 12-2-92.

Appropriate Office for Opposition Proceedings (Rule A, Patents Rules, 1972) Patent Office Branch, Karol Bagh, New Delhi-110 005.

(Claims 8)

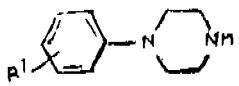
A process for the preparation of novel 1-(4-substituted phenylpiperazin-l-yl)-3- [thio (4-substituted) phenyl] propanea of the formula 3



3

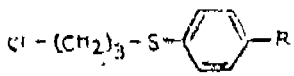
shown in accompanying the specification

where R = H; alkyl like methyl, ethyl, propyl; alkoxy like methoxy, ethoxy ; halo like fluoro, chloro, bromo, iodo, nitro, acetamido and R1=2-CH_3 3-CF_3, 3, 4-dichloro, 4-F, 2-F, 3F, 3-C1, 2-OCH_3, 4-MeO which comprises condensing an appropriately substituted phenyl-piperazine of the formula 1



1

with an appropriately substituted l-thioaryl (4-substituted) phenyl-3-chloropropanes of the formula 2



2

where R and R_1 have the meanings given above in the presence of an inorganic base and an organic solvent at a temperature ranging from 40—120°C for a period varying between 4—72 hours to produce the corresponding l-(4-substituted phenyl) (piperazin-1-yl) -3-[thio(4-substituted) phenyl] propanes of the formula 3 where R and R_1 have the meanings given above, recovering the said compound of the formula 3 after cooling by known methods.

(Comp. Specn. 10 Pages; Drgs. 1 sheet)

Ind. Cl. : 32 F(2A) 178483

Int. Cl^4 : C07C, 103/34.

AN IMPROVED PROCESS FOR THE PREPARATION OF N-BUTYLACETANILIDE.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH. RAFI MARG, NEW DELHI-110 001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 18601.

Inventors : (1) RAVINDER NATH SHARMA
(2) DILIP SHIRIPAD HEBBALKAR
(3) GEETA DILIP HEBBALKAR
(4) MARY JOSEPH
(5) RAJGOPAL JAGANNATH LAHOTI
(6) UTTAM RAMRAO KALKOTE.

Application for Patent -No. 230/DEL/92 filed on 13-1-1992.

Appropriate Office for Opposition Proceedings (Rule 4 Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

6 Claims

An improved process for the preparation of N-butylacetanilide which comprises alkylation of acetanlide with butylbromlde in the presence of conventional phase transfer catalyst and an alkali in inert organic solvent, at a temperature in the range of 40—120°C, maintaining the reaction mixture at this temperature for a period varying from 3-6 hrs, cooling the reaction and filtering.

(Comp. Spec. 11 Pages; Drg.sheet Nil)

Ind. Cl. : 32 F(2b) 178484

Int. $Cl.^4$: C07D, 453/00.

A PROCESS FOR PREPARING "QUTNUCLIDINE DERIVATIVES".

Applicant : PFIZER INC., A CORPORATION ORGAN1SBD UNDER THE LAWS OF THE STATE OF DELAWARE, UNITED STATES OF AMERICA, OF 235 EAST 42ND STREET, NEW YORK, STATE OF NEW YORK, UNITED STATES OF AMERICA.

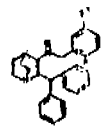
Inventors : FUMITAKA ITO,
HIROSHI KONDO,
KAORU SHIMADA,
MASAMI NAKANE,
JOHN ADAMS LOWE III,
TERRY JAY ROSEN.

Application for Patent No. 384/Del/92 filed on 4-5-1992.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Karol Bagh, New Delhi-110 005.

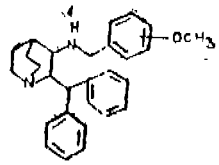
(Claims 4)

A process for preparing a quinclidine derivative of the Formula I

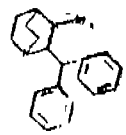


wherein R^1 is methoxy and R^2 is independently selected from isopropyl, tert-butyl, methyl, ethyl and sec-butyl, or 'a pharmaceutically acceptable salt of such compound.

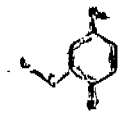
comprising subjecting N-(2,- 3-, 4-, 5-, or 6-methoxyphenyl-1-azabicyclo (2.2.2) octan-3-amine or its isomers of the general Formula II



having the same stereochemistry as the desired compound of Formula I, to hydrolytic or hydrogenolytic removal of the methoxybenzyl group to produce the corresponding 3-amino-2-dipheylmethyMrazabicyelo (2.2,2) octan-3-amine of the Formula III



having the same stereochemistry as aforesaid and reacting the compound of Formula III so formed with a compound of Formula IV



wherein L is hydrogen, imidazole or a. leaving group such as herein before defined and G is $-CH_2-$ -or-C(=0)-, with the proviso that when L is hydrogen, G must be —C(=0)—and wherein such reaction is conducted in the presence of a conventional reducing agent where G is —C(=0)—and L is hydrogen; and when L, is a leaving group or imidazole and G is — C(— 0)—, reducing the resulting amide to obtain said compound of general formula I.

Compl. Specn. 25 pages Drwg/sheet nil

Ind. Cl. : 55 E_1, 55E_4 1784S5
60-2/D, 33F_{-2b}

Int, Cl.[4] : C 07 D 213/00,
A 61 K 31/ 00.

A PROCESS FOR THE PREPARATION OF PYRIDINE-2-ALDOXIME METHOCHLORIDE (2-PAM-CHLORIDE).

Applicant: CHIEF CONTROLLER, RESEARCH & DEVELOPMENT ORG., MINISTRY OF DEFENCE, TECHNICAL COORDINATION DTE., B-341, SENA BHAWAN, DHQ P.O. NEW DELHI, INDIA. .

Inventor : BHAGWAT PRASAD PANT,

Application for Patent No. 498/Del/92 filed on 11-6-92.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules. 1972) Patent Office Branch, New Delhi-110 005.

6 Claims

A process for the preparation of 2-pyridine aldoxime methochloride comprising reacting 2-Pyridine aldoxime methoiodide with an alcoholic solution of anhydrous hydrogen chloride at the temperature upto boiling point, removing alcohol from reaction solution by distillation, adding a solvent of lower dielectric constant of the kind as herein described to obtain a precipitate and then "Subjecting said precipitate to the step of crystallisation to obtain 2-pyridine aldoxime methochloride.

Compl. Specn. 7 pages Drwg. Nil

Ind. Cl. : 55 E_4 178486

Int. Cl.[4] : A 61 K 31/00

PROCESS FOR THE PREPARATION OF DIACETYLRHEIN.

Applicant; MADAUS- AG, OF POSTFACH 910555, 5000 KOLAN 91, GERMANY,

Inventors: ALFONS CARCASONA, WOLF GR1MMINGER, PEN1TI HIETALA, KLAUS WITTHOHN, HELGA ZAESKE.

Application for Patent No. 554/Del/92 filed on 24-6-92.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

10 Claims

Process for the preparation of diacetylrhein of pharmaceutical purity and substantially free of aloe-emodin compounds, characterised in that;—

(a) an anthron-glucoside compound of the kind such as herein described containing aloc-emodin components is oxidised in any known, manner to the corresponding anthraquinone compounds.

(b) the glucose residue in the 8-position of the anthraquinone compounds is split off in any manner such as herein described in an acid medium,

(c) the 1, 8-dihydroxyanthraquinon compounds obtained are acetylated and

(d) a liquid-liquid partioning of the product obtained is carried out between a polar organic solvent which is only partly iniscible with water an aqueous phase of pH 6.5 to 7.5 and the diacetylrhein is recovered and optionally recrystallised by any known method.

Compl. Specn. 33 pages Drwg. Nil

Ind. Cl. : 32 F_{2a}. 40 C 178487

Int. Cl [4] : C07C 7600, 79/.10, B 0/1 F 17/06,

A PROCESS FOR THE PREPARATION OF O-NITROPHIENOL, BY SELECTIVE NITRATION OF - PHENOL USING MICROEMULSION AND DILUTE NITRIC ACID,

Applicant: COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH. RAFI MARG, NEW DELHI-110 001, INDIA. AN INDIAN REGISTERED BODY INCORPORATED UDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventors: AJAY SADASHIV CHHTRE, RAMESH ANNA JOSHI, BHASKAR DATTATRAYA KULKARNI.

Application for Patent No. 609/Del/92 filed on 15-7-92.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

8 Claims

A process for the preparation of O-nitrophenol by selective nitration of phenol by using microemulsion and dilute nitric acid, which comprises ; preparing a microemulsion by equilibrating an excess organic solvent with a mixture of surfactant, cosurfactant and dilute nitric acid in a stirred cell reactor, adding phenol into excess organic phase of the microemulsion in presence of the same organic solvent under stirring at the interface, recovering the ortho nitrophenol by known methods.

Compl. Specn. 9 pages Drwg. Nil

Ind. Cl.: 32 E 178488

Int. Cl[4]; C 08 G 77/00

A METHOD OF PREPARING A WETTABLE SILICONE HYDROGEL COMPOSITION.

Applicant: BAUSCH & LOMB INCORPORATED, A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF NEW YORK, UNITED STATES OF AMERICA, OF ONE LINCOLN FIRST SQUARE. P.O. BOX 54, ROCHESTER, NEW YORK -14601-0054.

Inventors; YU-CHIN LAI. PAUL LOUIS VALINT. JR.

Application for Patent No. 800/Del/92 filed on 7-9-92.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

11 Claims

A method of preparing a wettable. silicone-containing hydrogel composition comprising the steps of (a) mixing an amphoteric equimolar mixture of acid containing and amine-containinc comonomers and at least one silicone-containing monomer such as herein described into a monomer mix and (b) polymerizing in a manner such as herein before described the monomer mix resulting from step (a) to form a silicone-pontaining hydrogel composition.

Compl. Specn. 34 pages Drwg. Nil

Ind. D. : .32 F(2b) 178489.

Int. Cl^4 ; C 07 D, 213/127

A PROCESS FOR THE PREPARATION OF PYRIDINE-2-ALDOXIME METHIODIDE (2-PAM-IODIDE).

Applicant : CHIEF CONTROLLER R & D, DEFENCE RESEARCH & DEVELOPMENT ORGANISATION. MINISTRY OF DEFENCE, GOVERNMENT OF INDIA, TECHNICAL COORDINATION DTE., B-341, SENA BHAWAN, DHQ P.O., NEW DELHI-110011.

Inventors : BHAGWAT PRASAD PANT, DEVENDRA KUMAR JAISWAL.

Application for Patent No. 815/Del/92 filed on 10-9-92,

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

6 Claims

A process for the preparation of pyridine-2-aldoxime methiodide which comprises in the step of preparation of picolino methiodide by reacting 2-picoline with methyl iodide in the presence of a solvent, converting said methiodide to pyridine-2-aldoxime methiodide by reacting said methiodide with an oximating agent of the kind as herein described in the presence of a base at, a temperature of 10 to —30°C, nutralizing the reaction mixture and then extracting the product so obtained with a solvent in a conventional manner.

Compl. Specn, 5 pages Drawings Nil

Ind. Cl. : 32 F (2b) 178490

Int. Cl^4 : C 07 D, 209/04.

A PROCESS FOR THE PREPARATION OF 1-(HETEROARYL) -9H- PYRIDO (3, 4-b) INDOLES USEFUL AS POTENTIAL FILARICIDES.

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110 001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI 1860).

Inventors : ALKA AGARWAL,
SHIV KUMAR AGARWAL,
SOM NATH SINGH,
PUVVADA KALPANA MURTHY,
AMALENDU DUTTA,
RANJIT KUMAR CHATTERJEE,

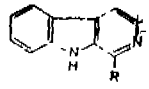
Application for Patent No. 852/Del/92. filed on 23-9-92.

Complete left after provisional specification on 23-12-92.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972) Patent Office Branch. New Delhi-

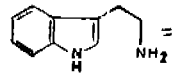
6 Claims

A process for the preparation of 1-heteroaryl-9H-pyrido (3, 4-b) indoles useful as potential filaricides having the formula 7



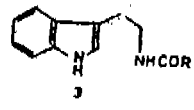
where R represents a heteroaryl radical which comprises :

(i) Condensing hydrochloride of tryptamine of the formula



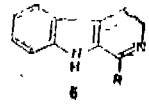
with heteroaryl carbonyl chloride of the formula 2

in presence of a base at ambient temperature for a period of 2,6 hr to yield B-(N-heteroaryl) aminoethyl indole of the formula 3.



where R has the meaning given above.

(ii) cyclizing of B-(N-heteroaryl) aminoethyl indole of the formula 3 with $POCl_3$ with or without an organic solvent like benzene, toluene or xylene at a temperature in the range of 80-150oC for a period of 2-8hrs to produce 1-(heteroaryl)-3, 4-dihydro-9H-pyrido' (3, 4-b) indole of the formula 6



where R has the meaning given above.

(iii) dehydrogenating l-(heteroaryl)3 , 4-dihydro-9H-Pyrido (3, 4-b) idole of the formula 6 over conventional 10% pd/c in dry xylene for 6-8 hrs to provide Heteroaryl)-9H-pyrido (3, 4-b) indole of the formula 7

where R hss the meaning given above,

(Complete Specification 10 pages; Drawing Sheet Nil)
Provisional Specification 6 pages Drawing 1 sheet

Ind. Cl. : 129 G 178491

Int. Cl.^{4} : B 24 C 1/00

BLADE SHARPENER.

"Applicant : McPHERSON'S LIMITED, A COMPANY INCORPORATED UNDER THE LAWS OF THE STATE OF VICTORIA, AUSTRALIA, OF 525 COLLINS STREET, MELBOURNE, VICTORIA 3000, AUSTRALIA.

Inventor : CVETAN PETROFF,

Application No. 674/Mas/90 filed on August 23, 1990.

Convention date ; August 28th 1989 (No. PJ 6017; Australia).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

19 Claims

A blade sharpener including, a sharpening mechanism for sharpening the cutting edge of a blade engaging that mechanism and being moved longitudinally relative thereto,

sharpening defeating moans connected to a support for movement relalive thereto between an operative condition and an inoperative condition,

said defeating means adopts said operative condition in response to longitudinal movement of a said blade through the sharpener in one direction, when said defeating means is in said operative condition it engages a said blade engaging said mechanism and applies a force against that blade which acts counter to a force causing said blade to engage said mechanism,

said defeating means adopts said inoperative condition in response to said longitudinal movement of the blade in a direction opposite to said one direction, and when said defeating means is in said inoperative condition it does not apply a said counter force to the blade.

Compl. 16 pages Drwgs, 3 sheets

Ind. Cl. : 116 F 178492

Int. Cl^4 : B 66 C, 13/18

A CONTROL SYSTEM FOR A LIFTCRANE.

Applicant : THE MANITOWOC COMPANY, INC., A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF WISCONSIN, USA, OF 500 SOUTH 16TH STREET. MANITOWOC. WISCONSIN 34221-0070, UNITED STATES OF AMERICA,

Inventors : 1. ARTHUR ZUEHLKE, 2. DAVID PECH.

Application No. 801/Mas/90 filed on October 9, 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

15 Claims

A control system for a liftcrane having mechanical subsystems powered by an engine and connected thereto by a closed loop hydraulic system having individual closed hydraulic loops associated with the mechanical subsystems, comprising at least a first mechanical subsystem powered by the engine and connected thereto by a first closed hydraulic loop ; a first set of controls for outputting signals for operation of said first mechanical subsystem; at least a first sensor operable to sense the pressure in the closed hydraulic loop and for outputting signals indicative thereof; a mode selector for providing an operator with a selection of alternative modes of liftcrane mechanical subsystem operation to output a signal representative of said selection and wherein at least two of the alternative modes of liftcrane mechanical subsystem operation are fully operational modes ; and a programmable controller connected to said set of controls, said first tensor, and said mode selector, said programmable controller running a routine operable to output signals to said first mechanical subsytem for the operation thereof based upon the signals output by said set of controls , said first sensor, and said mode selector.

Compl. 36 pages Drwgs. 5 sheets

Ind. Cl. : 27 I 178493

Int. Cl^4 : E 0 6 C , 1/04

SIGNAL BARREL HANGING TYPE PORTABLE LADDER.

Applicant : KURIAN GEORGE AN INDIAN NATIONAL OF THEKKINKADU HOUSE. AREEPLACHl P O.. (VIA) PUNALUR, KERALA, INDIA,

Inventor.: KURIAN .GEORGE,

Application No, 885/Mas/90 filed on 6th November, 1990.

Complete Specification Left: 3rd January 1992.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office, Madras Branch.

8 Claims

A portable, singal barrel, hanging type ladder, wherein said barrel is a single or multi-piece one having steps on either side and is provided with at least one hook at its top end and a clamp at its bottom end.

Prov. 4 pages ; Coma. 6 pages; Drwgs, 4 sheets

Ind. Cl. : 112 F 178494

Int. Cl^4 : F 21 V 7/00

A STREET LIGHT FITTING.

Applicant : KURIAN GEORGE, KERALA. AN INDIAN NATIONAL OF THEKKINKADU HOUSE, AREEPLACHl P.O., (VIA) PUNALUR, KERALA, INDIA,

Inventor : KURIAN GEORGE.

Application No, 886/Mas/90 filed on 6th November 1990.

Complete Specification Left : 3rd January 1992,

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972), Patent Office, Madras Branch,

11 Claims

A street light fitting, comprising a top cover-cum-reflector and a bulb thereunder, wherein said reflector comprises a pair of concave reflecting members mounted end-to-end in opposite, directions with downward and forward inclinations so that said two reflecting members have a common focus at or near the filament of said bulb and the light rays from the bulb are reflected down by said two reflecting members substantially parallelly in opposite directions, and a pair of mini-reflectors located below said two' reflecting members on either side of the bulb so as to reflect down the upward going light rays from the bulb, the arrangement being such that the light rays reflected down create a substantially rectansuhr or elongated oval illuminated area along the street.

Prov. 5 Pages; Com. 12 Pages; Drwgs, 4 Sheets

Ind, Cl. : 206 E 178495

Int. Cl^4 : G 06 F 3/06

PERSONAL COMPUTER WITH REMOVABLE MEDIA IDENTIFICATION.

Applicant : INTERNATIONAL BUSINESS MACHINES CORPORATION, A COMPANY ORGANISED AND EXISTING UNDER THE LAWS OP THE STATE OF NEW YORK. ARMONK, NEW YORK 10504, U.S.A.

Inventors. : ALAN FREDERICK ARNOLD. JAMES TAI, ARTHUR RAYMOND WHEELER,

Application No. 897/Mas/90 filed on 8th November 1990,

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972), Patent Office, Madras Branch,

5 Claims

A personal computer with removable media identification comprising a central processor unit for performing instructions; a removable media direct access storage device for

receiving, storing and delivering data for manipulation by said central processor unit; a direct access storage device controller operatively interposed between said processor unit and said storage device for directing operation of said storage device in receiving, storing and delivering data, and a plurality of signal conducting pathways operatively connecting. said storage device and said controller; a selected plurality of said pathways conducting signals which identify to said controller the characteristics of media inserted into said storage device which are indicative of the storage capability of the media inserted into said storage device; said controller having distinguishing means connected to said pathways for distinguishing among the absence of signals conducted by slid selected plurality of pathways as indicating the presence of a first type of storage device and the presence of and a plurality of differing combinations of signals conducted by said selected plurality of pathways as indicating the presence of a second type of storage device and the storage capability at media inserted into said second type of storage device.

(Comp. : 23 Pages Drwgs. : 4 Sheets)

Ind. Cl. : 86 B 178496

Int. Cl.[4] : A 47 C 4/00

IMPROVEMENTS IN OR RELATING TO A CHAIR.

Applicant : PALANIYANDI KATHIRVELU OF 1/16 EAGLE STREET, LANGFORD TOWN. BANGALORE-560 025. AN INDIAN NATIONAL.

Inventor : PALANIYANDI KATHIRVELU.

Application No. : 962/MAS/90 filed on 28th November 90.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972), Patent Office, Madras Branch.

7 Claims

A tillable folding chair, comprising a back rest and a leg rest hingedly mounted on either ends of a seat, member, a pair of arm rests mounted on said back rest, all supported by a pair of front legs and a pair of rear legs, a pair of clamp members joining the top ends of front and rear legs on either side, at least one rod member connecting the leg rest with the back rest so as to enable the leg rest to rise up as" the back rest reclines and vice versa, and a locking means to vary and fix the back rest at any desired angle, (said locking means comprising sliding steps provided below the arm rests and a teeth member provided on said clamp member, said teeth member being in sliding engagement with said steps and adapted to be locked at any desired step and unlocked by lifting the arm rests.

(Comp. 9 Pages; Drwgs. 3 Sheets)

Ind. Cl. : 47C 94G 178497

Int. Cl[4] : B 02 1/14

A MACHINE FOR LINING OR STRIPPING THE TWO OPPOSITE FACES OF THE WEB OF A BEAM.

Applicant : CdF INGENIERIE COREAL 2, RUE DE METZ 57802 FREYMING—MERLEBACH, FRANCE. (A FRENCH COMPANY).

Inventors : ANTONENKO PAUL. BOUSCH RENE.

Application No. : 1046/MAS/90 filed on 27th Dec. '90.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972). Patent Office, Madras Branch.

7 Claims

A machine for lining or stripping the two opposite faces of the web of a beam, each of these operations requiring heal to be applied thereto to act on a binder interposed between the beam and its linings, wherein the machine comyriaes, a frame,a support for supporting the beam in a pooitiort where its web is vertical, said support being disposed between two horizontal jaws that are at least as long as the lining to be installed on the beam, said jaws being coupled to drive members for moving them towards each other or away from eacch other in motion perpendicular to the web of the beam, and for maintaining them in position clamped against the web with a determined force, the jaws being provided with heating and cooling means for heating and cooling their facing surfaces.

(Comp. 15 Pages; Drwgs. 3 Sheets)

Ind. Cl. : 64 B1 178498

Int. Cl.[4]: F 16 L 37/08

A CONNECTING DEVICE FOR FLUID POWER LINES AND THE LIKE.

Applicant : PESTO KG OF RUITER STRASSE 82 7300 ESSLINGEN, BUNDESREPUBLIK DEUTCHLAND. GERMANY, A GERMAN COMPANY,

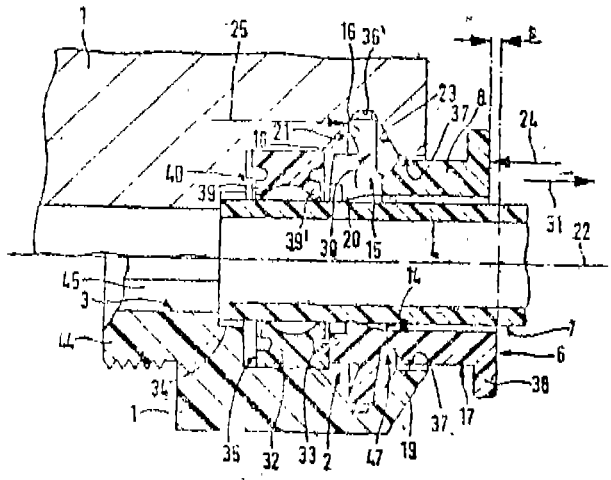
Inventors : 1. HERBERT KONGETER 2. DIPL. ING. KURT STOLL.

Application No. : 26/MAS/91 filed on 17th January 199).

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972), Patent Office, Madras Branch.

16 Claims

A connection device for fluid power lines and the like, comprising a housing which has a recess into which the connection end of a fluid power line or the like is inserted, and an annular gripper means for detachably recuring the fluid power line in relation to the housing, wherein the gripper means is provided with an axially sliding annular or sleeve-like actuating part, on whose side, which is turned towards the interior of the recess in the housing there is a plurality of clamping elements, which are arranged consecutively in the circumferential direction and in a clamping position are in cooperation with the circumferential face of the inserted connection end and which are connected with the actuating part vis a banding means and a respective clamping element possesses a pressing part, which is arranged radially at least partly further to the outside than the bending means and axially internally is opposite to a support face of the housing in such a manner that when the actuating part is slid in-Wards in the release direction the pressing parts are in co-operation with the support face so that the clamping elements are rocked about the part with the associated bending means radially outwards into a release position In which they allow the removal of the previously" clamped connection end.



(Com. 22 Pages; Drwgs.2 Sheets)

Ind. Cl. : 32—C 178499

Int. Cl.[4] : C 07 K 15/00

METHOD OF PRODUCING A COMPOUND REPRESENTED BY THE FORMULA DOMAIN B--DOMAIN T—DOMAIN E.

Applicants : THE SPEYWOOD LABORATORY LIMITED, OF ST. GEORGE'S HOSPITAL MEDICAL SCHOOL, CRANMER TERRACE, LONDON SW17 OQS, UNITED KINGDOM AND PUBLIC HEALTH LABORATORY SERVICE BOARD OF 61 COLINDALE AVENUE, LONDON NW9 5DF, UNITED KINGDOM.

Inventors : (1) JOHN ROBERT NORTH, (2) KEITH ALAN FOSTER, (3) CONRAD PADRAIG QUINN, (4) CLIFFORD CHKARLES SHONE.

Application No. 200/Mas/94 dated March 21, 1994.

Convention date : March 19. 1993; (No. 93 05735.4; UNITED KINGDOM).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

26 Claims

A method of producing a compound represented by the formula Domain B—Domain 1—Domain E wherein

Domain B is a selected polypeptide which binds the compound to a Binding Site on the cell which undergoes endocytosis to be incorporated into an endosome;

Domain T is a polypeptide which translocates "Domain E, or without the other domains of the agent and/or the Binding site, from within the endosome across the endosomal membrane into the cytosol of the cell and; is the domain or domain fragment of Clostridial neurotoxin Heavy Chain responsible for translocation of the toxin across the cell membrane;

Domain E is a polypeptide which inhibits the ability of the RMVs to transport IMPs to the surface of the cell and is a domain or domain fragment of the Light chain of Clostridial neurotoxin having Zn++ dependent metalprotease activity; the said method comprising the steps of extracting the respective polypeptides from antibodies and toxins such as herein described by known manner, and covalently linking the extracted polypeptide fractions of B; E land T in a known manner,

(Com. : 35 Pages)

lnd. Cl. : 189 Gr [LXVI (9)] 178500

Int. Cl. : A 61 K—7/075 ; 7/00

COSMETIC COMPOSITION AND PROCESS FOR MAKING IT.

Applicants : HINDUSTAN LEVER LIMITED OF HINDUSTAN LEVER HOUSE. 165/166, BACKBAY RECLAMATION, MUMBAI-400 020, MAHARASHTRA, INDIA. A COMPANY INCORPORATED UNDER THE INDIAN COMPANIES ACT, 1913.

Inventors : 1, ANTHONY DAVID GOUGH 2. JEFFREY PRICE 3. JOANNE MARGARET DE GROOT.

Patent Application No. 112/BOM/93 filed on 21-93.

G. B. Priority Dated 22-04-92.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972). Patent Office Branch. Bombay-400013.

17 Claims

A cosmetic composition which comprises an emulsified hydrocarbon resin, in which the composition is substantially free from organic solvent, and in which the resin is, present in the composition as suspended particles.

(Completes Specification: 36 Pages; Drawings 01.Sheets)

Ind. Cl. : 39 E, Gr. [III] &, 178501

70 C4, 5, 6, Gr. [VIII (5)]

Int. Cl:C 01 B-6/00, 6/04, 6/06.

A PROCESS OF PREPARING HYDROGEN STORAGE HYDRIDE ELECTRODE MATERIALS.

Applicant & Inventor ; KUOC'HIH HONG, CITIZEN OF U.S.A., AT 4853. GAMBER TORY. MICHIGAN 48098, U.S.A.

Patent Application No. 179/Bom/93 filed on 07-06-93.

'Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1072) Patent Office Branch, Bombay-400 013.

14-claims

A process of preparing hydrogen storage hydride electrode materials comprising the composition formula selected from

the group consisting of:

Ti(a) Sr(b) Ni(c) Cr(d) M (x)
where M equals any of Al,Ni,V, Mn,Fe,Co,Cu,Nb, Ag Pd, and rare earth metals , and where a,b,c,d,and x are defined by:0.1<=a<=1.4, 0.1<=b<=1.3, 0.25<=c<=1.95 0.1<=d<=1.4, a+b+c+d=3e and 0<=x<=0.21

Ti(a) Cr(b) Zr(c) Ni(a) V 3-a-b-c-d-Nx
where M equals any of Al,Si,Cr,Fe,Co,Cn,Nb,Zr,Ag,Pd, and rare earth metals , and were a,b,c,d,and x are

defined by : 0.1<=a<=1.6, 0.1<=b<=1.6, 0.1<=c<=1.7, 0.2<=d<=1.95

0.4<=1+b+c+d<=2.9 ,0<=x<=0.2;

Ti(a) Zr(b) Ni(c) V 3-a-b-c-d-N(x)
where M equals any of Al,Si,Cr,Fe,Co,Cn,Nb,Zr,Ag,Pd, and rare earth metals , and were a,b,c,d,and x are defined as: 0.1<=a<=1.3 , 0.1<=b<=1.3, 0.25<=c<=1.95, 0<=x<=0.2 and 0.6<=a+b+c+d<=2.9 ,

Ti(a) Mn (b) V (c) Ni(a) M (x)
where M equals any of Al,Si,Cr,Fe,Co,Cn,Nb,Zr,Ag,Pd, and rare earth metals , and were a,b,c,d,and x are defined 0.1<=a<=1.6, 0.1<=b<=1.6, 0.1<=c<=1.7, 0.1<=d<=2.0 a+b+c+d =3 and 0<=x<=0.2, the said materials being mixed and pressed into pellets and melted in argon atmosphere by arc or induction heating.

Complete specifications:25 pages Drawings:NIL

Ind. Cl. . 170 D [XLIII (4)] 178502

Int. Cl, : C 11 D—03/43

LIQUID CLEANING COMPOSITIONS COMPRISING PRIMARY ALKYL SULPHATE AND NON-IONIC SURFACTANTS.

Applicants : M/S. HINDUSTAN LEVER LIMITED HINDUSTAN LEVER HOUSE, 165/166 BACKBAY RECLAMATION, BOMBAY-400 020, MAHARASHTRA. INDIA.

Inventors : 1. TERRY INSTONE 2. DAVID PHILIP JONES 3. DAVID ROSCOE 4. PHILIP JOHN SAMS 5. MARTIN SHARPLES,

Application No. 264/Bom/93 filed on 24-8-93.

Appropriate Office tor Opposition Proceedings -(Rule 4. Patents Rules, 1972), Patent Office Branch, Bombay-400013.

10 Claims

A transparent aqueous liquid, cleaning compositions having a pH from 6-8, comprising :

(a) 2—40% wt surfactant on product, said -surfactant comprising :

(1) 15—30% on product of primary alcohol sulphate of formula RO- SO_3 where R is a C_{10} to C_{16} primary alkyl group, and:

(2) 5—15% product of nonionic surfactant of formula R1- $(OCH_2CH_2)_n$—OH where R_1 is astraight or branched, C_8 to C_{18} alkyl and the average degree of ethoxylation n is 1--14, wherein at least 50% wt. on surfuctant of the surfactant present is primary alcohol sulphate, and said surfactant comprising less than 1% on surfactant of nitrogen-containing surfactants species.

(b) magnesium ions, at a Molar ratio of at least 0.3 moles Mg per mole primary alcohol sulphate.

(Complete Specification : 19 Pages; Drawings : Nil)

Ind. Cl. : 123 [I-(4)] 178503

Int ;Cl. : A 01 G 05/06.

A PROCESS TO MAKE IMPROVED BIO-FERTILIZERS.

Applicants & Inventors : 1. RAVINDRA UPENDRA KANITKAR 12, GANESH WADI, OFF FERGUSSON COLLEGE ROAD, PUNE-411004, MAHARASHTRA STATE, INDIA. A SUBJECT OF THE REPUBLIC OF INDIA.

2. MISS SANDEEPA SURESH INAMDAR, PRASHANT APARTMENTS, A-7, DAHANUKAR COLONY KOTHRUD PUNE-411029, MAHARASHTRA STATE, INDIA. A SUBJECT OF THE REPUBLIC OF INDIA.

Application No. 304/BOM/93 filed on 24-9-93.

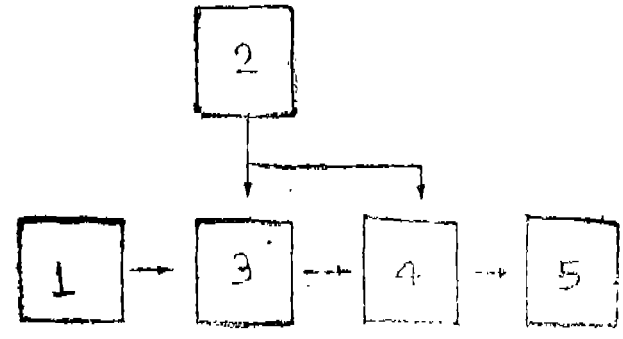
Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Mumbai-400 013.

1 Claim

A process to make improved bio-fertilizers comprising isolation of appropriate and mutually compatible strains of nitrogen fixing and phosphate solubalizing micro-organisms, which are individually and separately subjected to fermentation in bioreactors in presence of suitable medium characterised in that the said medium consisting of ingredients generally of following nature and composition :

Constituent	Proportion gm/Lit
1. Starch or Molasses or cane sugar glucose or the like carbon source.	5—35
2. Corn meal extract or soyabean meal	1-2
3. Sodium source such as NaCl or the like	0.3-1.0
4. Magnesium source such as $MgSO_4$ or the like.	0.2--1.2
5. Sulphur source such as $MgSO_4$ or the like.	0.2-1.3
6. Chloride source such as $MgCl_2$ or the like.	0.3-1.1
7. Phosphite source such as $K_2H\ PO_4$ or the like.	0.6-1.2
8. Potash source such as $K_2H\ PO_4$ or the like.	0.6-1
9. Calcium source such as $CaCO_3$ or the like.	1.0-3
10. Carbonates such as $CaCO_3$ or the like.	0.5-3
11. Ferrous, source such as $Fe_2(SO_4)$ or the like.	0.08-0.12
12. Molybdenum or vanadium source such as Na_2MoO_4 or the like	0.0005-0.015
13. n-Butanol.	0.8-2 ml.
14. Concentrated Alkali such as MaOH or KaOH or the like.	(Q.S)/as required.
15. Nuclaic acids such as Adenine Uracil.	0.005-0.5

said medium further containing the ingredients in suitable combination and preportion depending on the particle strain of the said rnicro-organisms the said meduim being sterilized before infusing in the pilot plant where the initial growth will take placewhich growth will further be transferred to production vessel where the multiplication micro-organisms will be attained to achieve desired count of 10^8 to 10^{10} micro-organisms per milli litre; the said such individual growth being transferred to another vessel which also receives similar-growth of mutually compatible stains such as azobacter chroococum,Azobacter vinelandii,Azotobacter beijerinckii, Bacillus polymxa, Bacillus megaterium and Bacillus subtilis from a plurality of said such biorecactors, where further it will be subjected to a reaction for augmenting sustenance, the said reaction comprising mixing of composition of N-butaool of 0.001 to 0.3% mixture of salts sodium, potassium,phosphates, carbonates in concentration of 0.01 % to 6% and also having varying pH from 5.8 to pH 9, at this stage dissolved gases are exhausted to make the growth stable thereafter the pH is adjusted by adding suitable buffer to attain a level of near neutrality, the produce is ready for packaging.as liquid bio fertilizers,



Comp. Specn: 8 pages; Drgns. 1 sheet.

Ind. Cl. : 50 A, GR. [VII (1)] 178504

Int. Cl. : A 61 J-9/8
A 47 J-41/00.

THERMALLY INSULATED CONTAINERS.

Applicants : EAGLE FLASK INDUSTRIES LTD., AN INDIAN CO., AT TALEGAON-410 507, DISTRICT PUNE MAHARASHTRA STATE, INDIA.

. Inventor : ALIMOHAMED CHHAGANBHAI PADAMSEE.

Patent Application No. 424/Bom/93 filed on 16-12-93.

Appropriate Office for Opposition Proceedings (Rule 4 Patents Rules, 1972) Patent Office Branch, Mumbai-400 013.

15 Claims

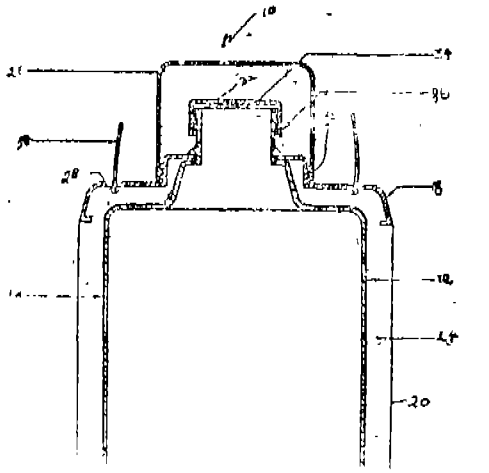
A thermally insulated rigid container comprising :

an inner shell of a rigid material capable of receiving and. Storing liquids for dispensing, said inner shell defining a body. and a neck and being open at the top to receive a stopper;

an outer jacket of resilient material formal over the inner shell and covering the body and neck region, of the inner shell

a thin film of reflective coating provided on the outer wall of the inner shell; and

& rigid shoulder element, secured to the outer jacket in the shoulder region, thereof.



Comp. Specn. 10 pages; Drgns. 02 sheets.

Ind Cl. : 115, 116D, G, H. 178505

Int. Cl. : A 62 B, 35/00, 37/00, E 06 C, 7/18.

AN IMPROVED SAFETY DEVICE FOR PREVENTING A PERSON, CLIMBING UP OR DOWN A TALL STRUCTURE OR THE LIKE OBJECT FROM FALLING.

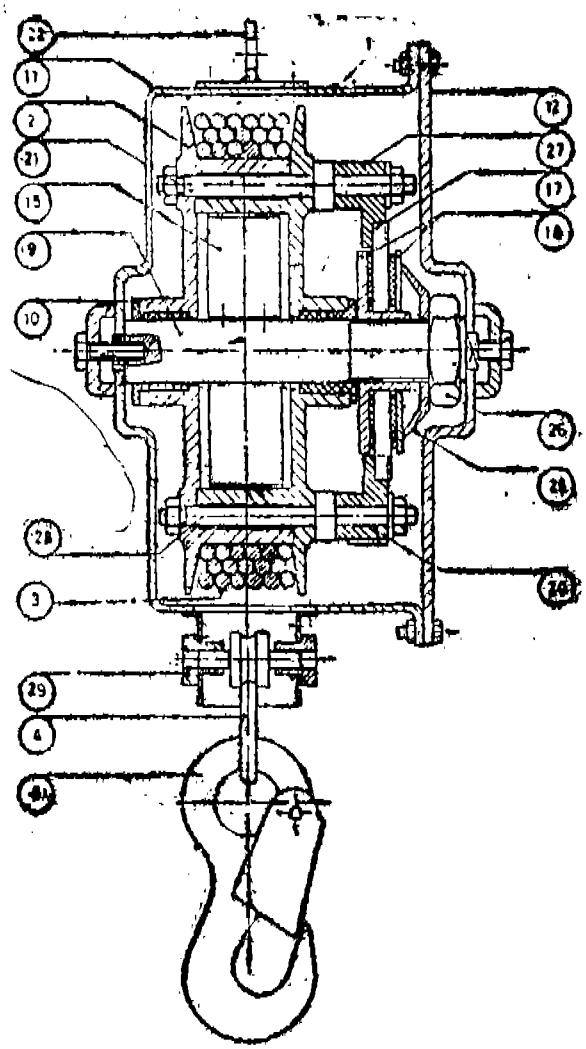
Applicant & Inventor : SHAM BHALCHANDRA ANTOORAR, 103 SAHAJANAND COMPLEX, SHAHIBAGH ROAD, AHMEDABAD-380 004, GUJARAT STATE, INDIA.

Application No. 173/BOM/94 filed on April 22, 1994,

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Mumbai-400 013.

1 Claim

An improved safety device for preventing a person, climbing up or down a tall structure or like object, from falling as claimed in my main patent No. 175259, the improvement in or the modification of the said device being that the said spiral spring is provided inside the said drum, the ends of the central shaft on which the said drum is mounted are made,squire and the walls of the said enclosure and the removable cover are also provided with square holes to provide proper seat to the said shaft braking mechanism being provided with conical spring and a nut to precisely control the brake plate pressure on the ratchet plate, two diametrically apart identical pawls are provided to share load, their tails being provided with a spring for unloking and a pair of sheave rollers being provided guiding the rope on to the drum while winding as well, as exiting, of the rope from the drum while rewinding.



Comp, Specn. 5 pages; Drgns. 2 sheets,

Ind. Cl : 172 D 5 [XX] 178506

Int. Cl. : D01 H—7/26

A FLYER.

Applicant : HIMSON TEXTILE ENGINEERING INDUSTRIES LTD., A CO. INCORPORATED UNDER THE COMPANIES ACT 1956, HAVING ITS REGISTERED OFFICE AT HIRALAL COLONY. ASHWANIKUMAR, RAOD SURAT-395 008, INDIA.

Inventor : MR. RAJNIKANT SURAIRAM BUCHKANIWALA.

Application No. 178/BOM/94 filed on 25-4-94.

Complete after provisional left on 12-10-94.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Mumbai-400 013.

,5 Claims

A flyer comprising of a single leg (7) removably fitted to one end of a bracket (6) and a counter balance weight (8) is secured diametrically opposite to the leg, a tensioner (5) is mounted on the said bracket at a short distance dose to the leading edge of the leg, a guide roller (4) freely rotated on its axis is mounted centrally on the said bracket (6) and the said bracket being mounted on the spindle of the twisting machine by means of a collar (1),

Prov. Specn. 8 pages; Drgns, 2 sheets.
Comp. Specn 7 pages; Drgns. Nil

Ind.Cl: 55 E 4 178507

Int. Cl. C 07D, 209/34,

A PROCESS FOR PREPARING A NOVEL ANTITUfIERCULAR COMPOUND.

Applicants : PHYSIC TECHNOLOGIES PVT. LTD. AN INDIAN COMPANY. OF MOHAN VILLA 1147-B. SHIVAJINAGAR, PUNE-411016, MAHARASHTRA. INDIA,

Inventors : "(1) SUBHAKH PADHYE.

(2) MEENA KARVE

Application No. .219.BOM/94 filed on 17-5-94.

Complete after Provisional left On 14-8-95,

Appropriate Office for Opposition Proccedings (Rule 4, Patent Rules, 1972) Patent Office Branch, Mumbai 400 013,

5 Claims

A process for preparing a novel antitubercular compound comprising the following steps.

— preparation of 2-isatogens 2-substituted 3H-Indol-2-one-1-oxide by process herein described; and

— condensetion of the- - 2-isatogens/2-subitituted 3H-Indol-2-one-l-oxide with the hydrochloride of thiosemicarbazide to obtain a compound depicted in Figure 1 of the -accompanying drawing,

Prov. Specn. 5 pages; Drng, Nil.
Comp. Specn, 8 pages; Drng. 1 sheet.

Ind. Cl. : 83A [XIV(5)] 178508

Int. Cl. : A 61 K-37/48.

A PROCESS FOR ISOLATION OF TYROSINASE.

Applicants: PHYSIC TECHNOLOGIES PVT. LT., AN INDIAN COMPANY OF MOHAN VILLA, 1147-B, SHIVAJINAGAR, PUNE-411016, MAHARASHTRA, INDIA.

Inventors (1) SUBHASH PADHYE .
(2) MEENA KARVE.

Application No. 221/BOM/94 filed on 17-5-94.

Complete, after Provisional left on 14-8-95.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Mumbai-400 013,

5 Claims

A process for isolation of Tyrosinase from amorphophal lus 'Campanulatus comprising the steps of :

Preparing crude extract of amorphophallus campanulatus by washing the material thoroughly, removing its skin, homogenisling the deskinned material at temperature below 4 degrees Celsius, filtering the homogenate, collecting the filtrate, ctentrifuging the filtrate at 4 to 10 degrees celsius to remove starches, collecting the supernatant liquid containing crude extract containing tyrosinase;

purifying the crude extract by adding chilled alcohol to the crude extract under brisk stirring, and allowed to stand in a chilled bath to precipitate mucilagenous matter and, inert proteins, collecting the supernatant, adding solid ammonium sulphate to this supernatant to 40 to 80% saturation under constant stiring, allowing the solution, to stand for at least 8 hours at 4 degrees celcius, centrifuging the solution to obtain a precipitate, dissolving, the precipitate in a phosphate buffer solution and dialysing to remove ammonium sulphate daily for five to fifteen days to obtain the purified tyrosinase enzyme.

Prov, Specn. 11 pages Drng. 1 sheet
Comp, Specn. 8 pages Drng. Nil

Ind .Cl.: 55 D 1[XIX (1)] 178509

Int. Cl.. : A 01 N 31/00.

AN IMPROVED PROCESS FOR THE MANUFACTURE OF WATER BASED FORMULATION OF CRUDE NEEM EXTRACT TO BE USED AS AN INSECTICIDE.

Applicants : UNIQUE PHARMACEUTICAL LABRATORIES LTD. INDIAN CO., HAVING ITS REGISTERED OFFICE AT SETH GOVINDRAO SMRITI, 83 B & C DR. A. B. ROAD, WORLI, BOMBAY-400 018, MAHARASHTRA; INDIA.

Inventors : (1) BHARAT PRAVINCHANDRA MEHTA
(2) PRANABH DINESH MODY
(3) DR. SUNIL BAMBIARKAR.

Application No. 376. BOM/94 filed on 8-8-94.

Appropriate Office for Opposition . Proccedings (Rule 4, Patent" Rules, 1972) Patent Office. Branch, Mumbai-400013

5 Claims

An improved process, for the manufacture of water based formulation of crude neem seed extract to be used as an insecticide which, is more stable end contains higher percentage" of active ingredients comprising of the following :

Neem seeds are decorticated and the kernals are crushed to the. finest of 1 mircons the crushed kernels are paused through 14—18 mesh sieve, the sifted sieve powder is mixed in Stainless Steel Jacketted vessel provided with a stirrer the grounded seed kernals are extracted by organic solvents for about 4-6 hours, the temperature of the mixture is maintained between 60—75°C, the excess of solvent is removed by distillation, the active ingredients of neem such as Azadirachtin and Tetraterpenoids obtained ate separated from Neem oil by the known manner giving maximum purity of the active ingredients, the actives were then emulsified, after adding emulsifying agents, stabilising agent and the mixture is homogenised to get a uniform emulsion and to which is added sorbic acid (0.05%) as a preservation during emulsiflcation, ready to use with aqueoue solvent for spraying.

Comp. Spccn, 8 pages; Drng. Nil.

Ind. Cl : 62 C4 [XXII (1)] 178510

lnt, Cl. : C09B 49/00,
D06P 1/30.

AN ENVIRONMENT FRIENDLY, SAFE AND ECONOMICAL BATCHWISE METHOD OF DYEING CELLULOSE MATERIAL WITH LIQUID SULPHUR BLACK DYE.

Inventor : SHARMA MAHESHCHANDRA ANANTLAL.

Application No, 2/BOM/94 filed 7 Jan 94.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Mumbai-400 013.

2 Claims

An environment friendly, safe and economical batchwise method of dyeing cellulose material with liquid sulphur black dye consisting of converting the sulphur black dye into waiter sotuble form by reduction with a reducing agent in water and applying the aqueous solution of the dye on the cellulose material at PH 11-12 and at 70—80°C under exhaustion with sodium chloride followed by development of the dye on the cellulose material by oxidation with an aqueous solution of acecic acid and sodium dichromate at PH 3-4 and at 50° to 60°C characterised in that said reducing agent comprises hydrol and caustic soda and soda ash in the proportion, 6-7 :: 2-3: 1-28 by weight.

Comp. Specn. 8 pages; Drng.. Nil.

Cl. : 185 C 178511

Int. Cl. : A 23 F 3/20.

DEVICE FOR THE RECOVERY OF PARTICULATE/ DUST TEA FOR USE IN TEA PROCESSING/MANUFACTURING APPARATUSES.

Applicant & Inventors: SOMNATH ROY, OF F-18, 5TH FLOOR DELVEDERE ESTATES, 8/8 ALIPORE ROAD, CALCUTTA-700 027. WEST BENGAL, INDIA.

Application No. 675/Cal/1992 filed on; 16th September, 1992.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972) Patent Office, Calcutta.

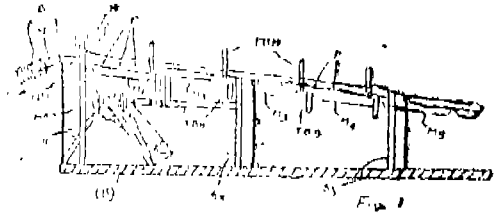
7 Claims

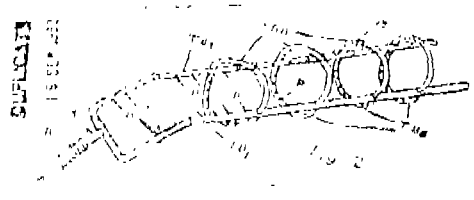
A device for recovery of particulate/dust tea. during tea processing/gradation in apparatuses such as herein described comprising of :—

a plurality of means (TBB, TBl, TB2) for ingres and carry over of, pariculate/dust tea in the region of said apparatuses;

each of said means for ingress and carry over of particulate/dust ten connected to one another and having a common outlet (O);

said common outlet (O) connected to means for effecting pneumatic absorption of said particulate/dust tea to thereby recover the particulate /dust tea.





Compl Specn, 10 pages Drgn. 1 sheet.

Cl. : 97 B 178512

Int. Cl.[4]: H 05 B 07/06.

DIRECT-CURRENT ELECTRIC ARC FURNACE.

Applicant : DEUTSCHE, VOEST-ALPINE INDUSTRIEANLAGFNUAa GMBH, OF NEUSSER STRASSE 11 14000 DUSSELDORF 1, GERMANY.

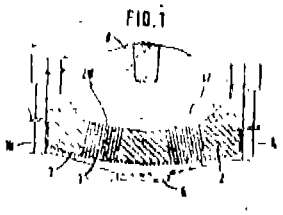
Inventor : DANE MEREDITH.

Application No.. 778/Cal /1992 filed on 23rd October, 1992.

Appropriate Office for Opposition Proceeding (Rule 4, Patent Rule 1972) Patent Office, Calcutta.

25 Claims

Direct-current electric are furnace comprising at least one centered electric are upper electrode (8) switched as cathode and with a bottom electrode (1) switched as anode connected with a busbar arrangement wherein the bottom lining consists esnentially of an electrically non-conducting ramming mass, into the said ramming mass electrically conducting metal parts optionally made out of sheet metal inserts, pins, rods are introduced; the upper front faces of the said inserts are in conducting contact with the melt, characterized, in that a plurality of electrode segments (1) are disposed in vertical position on the electrical feed line made in the form of a bottomplate (3) in direct area contact, with the said electrode segment (t), the totality of which make up an electrode ring (20) that on each electrode segment (1) n plurality of segmenet conductui'H (12) as herein described with low cross sectional areas are running in upward direction through the said ramming mass (2), the said conductors (12) are the electrically conducting metal parts fastened in radial arrangement, and the lower front areas of which are connected each to the respective electrode segment and the upper free front faces (20) of said segment arc in contact with the melt (17) within the said furnace vessel, that the monolithic ramming mass (2) fills completely the area of the electrode segments (1) above, the bottom plate (3) upto the front faces (20) of the segment conductors (12), and that the electric current is conducted from the busbar arrangement (6) to the copper ring (4) at the lower vessel outer wall (19) and from there through the bottom plate (3) to the electrode segments (1).



Compl. Specn. 11 pages; Drgns. 2 sheets.

Cl. : $2A_1$ 178513
2 A_2.

Int. Cl : G 09 F 11,02. 11/10.

A MOVING ADVERTISING DEVICE.

Applicant & Inventors : DILIP CHATERJEE AND SWAPAN CHATTERJEE. OF 4 MAHARAJ NANDA KUMAR ROAD, CALCUTTA-700 029, WEST BENGAL, INDIA.

Application No. 185/Cal/1993 filed on 31st March, 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972) Patent Office, Calcutta.

22 Claims

A moving advertising device comprising of a U-shaped bracket (3) on which is mounted at least three advertising and/or exhibiting panels (1) interconnected with cross plate (2) or a plate by means of a shaft (4) which is firmly held thereon by screw tightening stopnuts (5.5A) and means provided for rotative]),' changing said advertising and/or exhibiting panels (1) either continuously and/or intermittently for advertising and/or exhibiting the materials, said means adopted to rotatively change the said advertising and/or exhibiting panels consists of an electric motor (6) which has a pully (6A) attached to it drives another pulley (91 mounted on a wormshaft (13) with the help of a belt (6B), said worm shaft being mounted on a smaller U-shaped bracket (14) is held on an angular bracket (15) fitted to said U-shaped bracket (31 drives a worm wheel (19) engaged with it, said worm wheel (19) engaged with said worm shaft (13) a mounted by means of another shaft (20) on said angular bracket (15) and said U-shaped bracket (3) where it is firmly held thereon by screw light stop nuts (21, 22) said another shaft (20) further has a driver pulley (10) attached to it drives a star pulley (12)- mounted on said shaft (4) having the advertising and/or exhibiting panels (1) mounted on it such that when said star pulley (12) is rotated by said driver pulley (10) which performs the main function of the device it enables the said advertising and/or exhibiting panels (1)

or any other articles or commodities, of anyshape and size alternatively mounted on said shaft to change rotatively either continuously' and/or intermittently. Further more the star pulley (12) may be provided with a connector (27) for direct connection with the said plate or cross plate (2) or with articles concern.

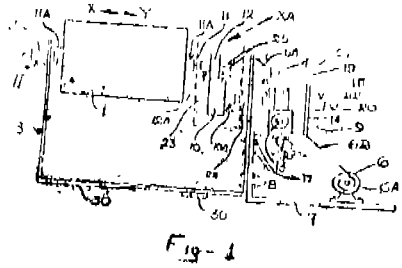


Fig - 1

Compl. Specn. 26 pages; Drgns. 4 sheets.

Cl. : 174 D 178514

Int. Cl.[4]; F 16 F 3 07,

SPRING.

Applicant & Inventor : SHYAM NEWAR. OF 219 CENTRAL AVENUE, CALCUTTA-6, WEST BENGAL, INDIA.

Application No. 247/Cal/93 filed on 29th April, 1993.

Appiopriate Office for Opposition Proceedings (Rule 4,, Potent Rule 1972) Patent Office, Culcutta.

12 Claims

A hermetically- sealed spring element comprising :

a housing (4);

a piston (3,) provided in the housing;

a metal bellows (7) having a plurality of corrugations provided inside the housing one end of the said bellows connected (3A) to the housing and the. other held to the piston such that the movement of the bellows own moves the piston; characterised in that supporting means (,5, 6, 6A) provided in the bellows (7) for supporting of corrugations (11) and distributing the compression equally among the corrugations;

means (10) for filling gas into the interior of the bellows,

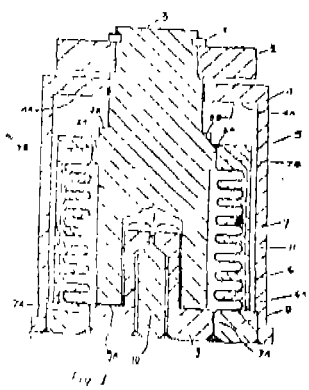


Fig 1

Compl. Specn. 12 pages; Drgns. 2 sheets

Cl.-: 98 G 178515

Int. Cl. : F 28 F 1/10

ENHANCED SERRATED FIN FOR FINNED TUBE,

Applicant : FINTUBE LIMITED PARTNERSHIP, OF 2431 EAST 61ST- STREET 330, TULSA, OKLAHOMA-74316 U.S.A.

Inventor : JERRY EDWARD.

Application No. 3 73/Cal/93 filed on 30th June, 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972) Patent Office, Culcutta.

15 Claims

A finned tube comprising a tube and an enhanced serrated fin attached thereto, the fin having a base portion and an opposite serrated portion, the base portion being provided with a proximal edge and an opposite distal area, said proximal edge being attached helically to the tube so the fin extends outward from the tube, said distal area being attached to the serrated portion, the serrated portion being provided with a plurality of segments extending around the periphery of the tube, adjacent segments being separated by gaps each segment being provided with a proximal area which is attached to the distal area of the base portion and a distal tip located opposite its proximal area each segment having a proximal width measured at the proximal area each segment having a distal width measured at the distal tip of the segment, each segment being enhanced in"such a way that each segment is broadened whereby the distal width of each segment is greater than the proximal width of. each segment thus resulting in pie-shaped segment.

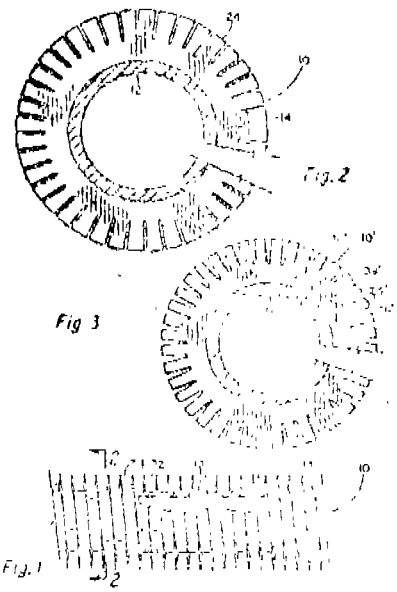


Fig. 2

Fig 3

Fig. 1

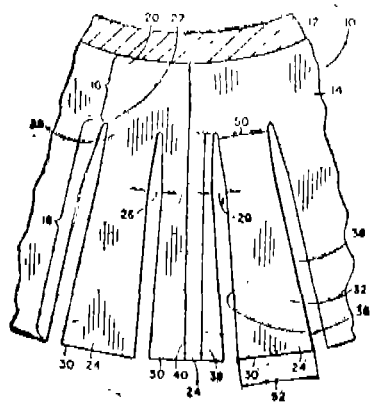


Fig 4

Compl. Specn, 18 pages; Drgns. 6 sheets.

Cl. : 179 C & E 178516

Int. Cl.[4] ; B 65 D 41/00, 47/18.

CAP FOR RECEPTACLES, IN PARTICULAR BOTTLES.

Applicant & Inventor : BERND HANSEN, OF HEERSTRASSE 16, D-74429 SULZBACH-LAUFEN, GERMANY.

Application No. 408/Cal/1993 filed on 30th August, 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office, Calcutta.

17 Claims

A cap for receptacles, particlarly bottles made of plastic in a blow molding process which are filled and closed in a blow mold and have a bottle neck, the cup comprising :

a first section (2) having coupling means (5) for receiving the bottle neck ;

a section formed as one piece with said first section ami having dropper, said second section having an inside end face and a piercer tapering from said inside end face, said piercer having a circumferential surface and a pointed tip extending inside said first section and

a flow channel extending through said dispensing means and said piercer, said flow channel comprising an intermediate section having a substantially constant cross-sectional configuration and at least one end section which opens on said circumferential surface said intermediate section extending along a first longitudinal axis, said end section extending from said intermediate section and along a second longitudinal axis parallel to said first longitudinal axis said end section having a cross-sectional configuration wholly within an axial extension of said cross-sectional configuration of the intermediate section,

Compl. Specn. 11 pages Drgns. 1 sheet

Cl. : 47 C 178517

Int. Cl.[4] : F 23 G 7/ 06

WASTE DISPOSAL AND A PROCESS FOR PRODUCING COMPRESSED FLUE-GAS,

Applicant: SIEMENS AKTIENGESELLSCHAFT, OF WITTELSBACHERPLATZ 2, 8000 MUNCHEN 2, GERMANY.

Inventors: (1) KARL MAY (2) HARTMUT HERM (3) REIN HARD MATTKE.

Application No. 539/Cal/1993 filed on 15th September, 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office, Calcutta.

23 Claims

Plant for thermal waste disposal, in which the low-temperature carbonization gas (s) generated by a pyrolysisdrum (2) is passed into the burner (6) of a combustion chamber (8) and the flue gas (r) formed there as a result of combustion can be fed via a cooling device (10) and via a gas compressor (16) to an outlet (20), the pressure (p) in the gas path -between the pyrolysis drum (2) and the gas compressor (16) being able to be adjusted by the gascompressor (16), characterized in that a control device (24, 70) is provided which directs the speed of rotation (m) of the gas compressor (16) in-relation to the pressure (p) in the said gas path in such a way that-when the pressure (p) decreases, the speed of rotation (m) is decreased,

Compl. Specn. 20 pages Drgns. 4 sheets

Cl : 160 C 178518

Int. Cl.[4] : B 60 N 1/06

AN ADJUSTABLE BACK REST FOR A SEAT.

Applicant : AMEU-MANAGEMENT CORP., OF PANAMA, OF P.O. BOX 7412 PANAMA 5, PANAMA.

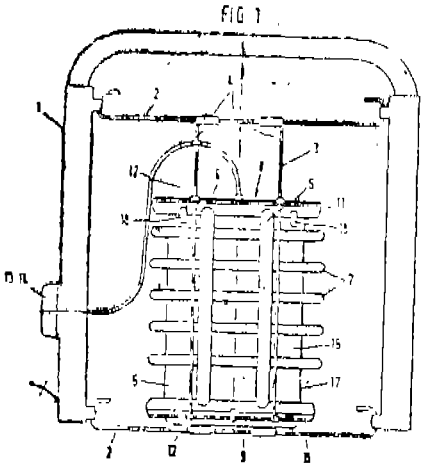
Inventors : PAUL ROZAITIS AND KNUD KLINGLER,

Application No. 560/Cal/1993 filed on 23rd September, 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office. Calcutta.

11 Claims

An adjustable back rest for a seat comprising a frame (1), a flexible arching element (5, 20) and an, adjustment device (14) connected to the flexible arching element (5, 20) for. adjusting the curvature-of the backrest, characterized in that a pelvic support (17) is connected to said flexible arching element, said pelvic support comprising a plate (16, 23) or projections (28) connected to said flexible arching element to form part of said flexible arching element and directed towards the seat.



Compl, Specn. 11 pages Drgns. 3 sheets

Cl. : 145E, 145 B 178519

In.l Cl.[4]: D 21 C 3/22

A METHOD OF PRODUCING MECHANICAL &. CHEMI-MECHAN1CAL PULP.

Applicant: SUNDS DEFIBRATOR INDUSTRIES AB, OF S-851 94 SUNDSVALL-SE, SWEDEN AND SCA RESEARCH AB, BOX 3054, S-850 03 SUNDSVALL, SE SWEDEN.

Inventors: (1) HANS HOGLUND (2) OVE DANIELSSON (3) ROLAND BACK (4) BO FALK,

Application No. 821/Cal/1993 filed on 28th December, 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office, Calcutta.

5 Claims

A method of producing mechanical and chemi-mechanical pulp with a yield above 85% from lignocellulose-containing fiber material for the manufacture of paper or board products, which method comprises mechanical processing in at least two steps, characterised in that the material at its feed into the first processing step has a temperature below the softening temperature of lignin, and at its feed into at least. one subsequent processing step has a temperature of at least 15°C above the softening temperatureof lignin,

Compl. Specn. 13 pages Drgns. 4 sheets

Cl, : 158 A 178520

Int., Cl. : B 61 D 3/14

A LOADING VEHICLE FOR TRANSPPORTING AND. STORING BULK MATERIAL.

Applicant : FRANZ PLASSER BAHNBAUMASCHINEN-INDUSTRIEGESELLSCHAFT M.B.H., OF A-1010 WIEN, JOHANNESGASSE 3, AUSTRIA.

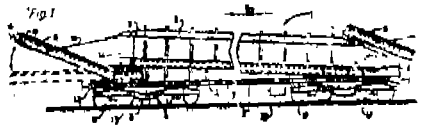
Inventors ; (1) ING, THEURER JOSEF [2] BRUNNINGER MANFRED.

Application No 163/Cal/1994 filed on loth March, 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office, Calcutta.

7 Claims

A loading vehicle (1) for transporting and storing bulk-material, comprising a chassis frame (2) supported ontrac-knndercarriages (19), a vehicle body (3) provided for storage with a base conveyor belt (4) located in the base region thereof and extending in the lotigitudinaldirection of the vehicle and a transfer conveyor belt (6) adjoining the said base conveyor belt, projecting over the chassis frame (2) and designed to pivot by means a pivot drive (12) about a vertical axis of rotation (13), characterized in that the transferconveyor belt (6) is mounted in a lower region adjoining the chassis frame (2) so as to pivot in addition about a horizontalaxis of rotation (11) extending at right , anglee to the longitudinal direction of the transfer conveyor belt(6) and is connected to a second pivot drive (14, 25),



Compl. Specn. 10 pages Drgns. 1 sheet

CLAIM UNDER SECTION 20 (1) OF THE PATENTS ACT, 1970

In pursuance of leave granted under section 20 (1) of the Patents Act, 1970 application No. 302/Del/88 (175119) of STANLEY-PARKER, INC. has been allowed to proceed in the name of INTERWOOD MARKETING (BARBADOS) LIMITED and subsequently allowed to proceed in the name of Interwood Products Limited.

In pursuance of leave granted under section 20 (1) of the Patents Act, 1970 application No. 506/Del/90 (176890) of FRANCE GALVA LORRAINE, a French Company has been allowed to proceed in the name of DELOT PROCESS, a French Company.

RESTORATION PROCEEDINGS

Notice is hereby given that an application for restoration of Patent No. 163246 dated 16th August 1985 made by The Atul Products Limited on the 12th July 1996 and notified in the Gazette of .India, Part III, Section 2, dated the 26th October, 1996 has been allowed and the said Patent restored

Notice is hereby given that an application for restoration of Patent No. 163247 dated the 16th August. 1985 made by The Atul Products Limited on the 12th July, 1996 and notified in the Gazette of India, Part III, Section 2, dated the 26th October 1996 has been allowed and, the, said Patent restored.

. Notice is hereby given that an application for restoration of. Patent No. 171369 dated the 10th July, 1991 made by D. S. Naik on the 8th March. 1996 and notified in the Gazette of India Part III," Section 2, dated the 8th June, 1996 has been allowed and the said patent restored

Notice is hereby given that an application for restoration of Patent No. 171570 dated the 10th July. 1991 made by D. S. Naik on the 8th March, 1996 and notified in the Gazette of India Part EEL Section 2, dated the 8th June, 1996 has been allowed and the said patent restored.

AMENDMENT PROCEEDINGS UNDER SECTION 57

Notice is hereby given that HANS OETIKER AG MASCHINEN UND APPARATE FABRIK, Oberdorf strasse 21, CH-8812 Horgen, Switzerland, A company organized under the laws of Switzerland have made an application under Section 57 of the Patents Act, 1970 for amendment of specification of their application for Patent No. 176492 for "Balanced damp structure." The amendments are by way of correction, of claim portion of the specification.

The application for amendment and the proposed amendments can be inspected free of charge at Patent Office, 234/4, Acharya Jagadish Bose Road, Calcutta-700 020 or copies of the same can be had on payment of the, usual copying charges.

Any person interested in opposing the application for amendment may file a notice of opposition on the prescribed Form-30 within three months from the date of this notification at the Patent Office, -234/4, Acharya Jagadish Bose Road, Calcutta-700 020, If the Written Statement of opposition is not filed with the Notice of Opposition it shall be. left within one month from the date of filing the said Notice;

Notice is hereby given that COUNCIL OF SCIENTIFIC &. INDUSTRIAL RESEARCH has made an application on Farm. 29 under Section 57 of The Patents Act, 1970 for amendment of specification of their application for Patent No. 1209/Del/90 (176550) for "A PROCESS FOR THE PREPARATION OF A NUTRIENT MEDIUM USEFUL FOR ENHANCING SHOOT SPROUTING AND MULTIPLICATION FROM MATURE BAMBOO SPECIES The amendments are by way of correction and explanation in the Application and the Complete specification. The application for amendment and the proposed amendments can be inspected free of charge at the Patent Office Branch, Unit No. 401 to 405, 3rd Floor, Municipal Market Building Saraswati Marg, Karol Bagh, New Delhi-110005 or copies of the some can be had on payment of usual copying charges.

Any person interested in opposing the application for amendment may file a notice of opposition on the prescribed in Form- 30 within three months from the date of this notification at Patent Office Branch, Unit No. 401 to 405, 3rd Floor, Municipal Market Building, Saraswati Marg Karol Bagh, New Delhi-110005. If the Written Statement of opposition is not filed with the notice of opposition it shall be left within one month from the date of filing the said notice.

RENEWAL FEES PAID

170628 171283 173989 175496 175434 176397 176363 156939
172144 162636 163249 167299 161104 163871 166899 172917
176372 176375 172141 165498 176390 162246 157272 157276
158754 176377 171570 171569 167462 174519 176395 176389
176361 176385 176387 176393 176396 163726 16487 162031
169249 172144 176394 176398 158778 161100 161316 164354
165351 166783 171897 171886 168813 173871 174134 174512
176386 176384 176371 176374 176391 176383 17.6379 161107
166994 176376 174423 176381 166564 168886 170573 171689
172931 168439 168130 168097 J66400 163295 174736 168686
170360 172813 172446 172447 175540 163505 163426 172229

166608 173312 172823 175539 170526 170527 169294 163504
166566 166526 173649 170519 173091 170374 159521 172254
170632 169230 170296 172438 173689 171578 166951 170989
163364 174406 150706 172479 171024 171745 166508 174972
162973 166507 166675 172932 169282 172822 174577 169931
165196 173695 163607 171725 167012 172814 171780 175034
173818 172700 168749 163349 163350 175371 170359 170424
170518 163922 162984 173531 17367S 173914 173916 174745
166508 174972 162073 166507 166675 172932 169282 172822
174577 169931 165196 173695 163607 171725 167042 172814
171780 175084 173818 172700 168749 163349 163350 175571
170359 170424 170518 163922 162984 173531 173678 173914
173916 166673 173225 173850 163007 173141 170399 175811
172812 159244 175079 172255 175532 175533 167122 172801
164792 175417 166952 159522 159639 167248 167820 165546
164958 165664 165548 168073 166349 166397 166350 168469
168426 166029 166497 166055 163206 169196 175085 169198
163987 175174 170687 170551 166941 170154 166923 174982
174883 175419 175093 172643 170662 170411 166953 173608
170529 174313 172654 170583 164561 173500 166287 175176
172743 175024 175228 175235 175327 174815 175314 175183
175619 175742 161705 165973 160142 164522 166773 170230
172084 174037 174568 174935 175020 175205 168875 171983
166723 167006 172625 169544 170585 170651 159962 160311
168343 170738 172290 161155 161546 167933 169942 167308
165974 166585 159347 159398 161209 168195 171193 165759
162493 167116 172655 160208 175313 175330 175343 175567
175568 175569 175573 175605 175609 175610 175611, 175616
175617 175618 175620 168455 167940 158936 163829 165526
166661 167510 167685 170967 172629 172721 175177 168400
173795 173866 175431 175432 175437 175438 175446 175449
175450 175123 175451 175452 175453 175481 175483 175484
175485 175492 175496 175499 174488 170202 175733 175500
175504 175510 175512 175516 175519 175520 175524 175528
175529 159335 161058 166758 167028 167310 167959 167994
170003 172022 173983 175143 173499 172408 161053 172500
166911 168535 172419 159746 171873 174931 166105 159344
159345 159346 159337 175716 175506 175797 175730 170733
159729 159730 174555 160216 174802 166190 166479 166856
170751 173990 174767 174781 175436 175482 172081 159462
166106 160461 167764 160210 170942 174818 160526 161205
161219 163831 164102

PATENT SEALED ON 4-4-97

176901*D 176902 176910 176910*D 176912 176913* 176914
176916 176919* 176921 176922 176923 176929 176930
176932 176933* 176936 176937 176938 176940*D 176949
176950 176952

CALNIL, DEL-NIL, MUM-23, CHEN-NIL

*Patent shall be deemed to be endorsed with the. Avoids LICENCE OF RIGHT Under Section 87 of the Patents Act, 1970 from the date of expiration of three years from the date of sealing.

D—Drug Patents.

REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for period of two years from the date of registration except as provided for in Section 50 of the Design Act, 1911.

The date shown in the each entries is the date of the registration included in the entries.

Class 1. No, 172214, United Informatics Pvt. Ltd. B-3, Paf, Mohnn Sadan, 26/32, East Patel Nagar, Opp.. Rajendrn Place,, New Delhi-110 008, India, "APPARATUS FOR UNITERRUPTABLE POWER. SUPPLY", 18th September 1996.

Class 1. No. 171951. Gulf Oil India Ltd., Hinduja House, Dr. Annie Besant Road, Worli, Mumbai-18, Maharashtra,India, 'CLEANING APPARATUS", 6th Augst 1996.

Class 1, No. 172239, Kwang Yang Motor Co. Ltd., a company existing under the laws of Taiwan, Republic of China of 35, Wan-Hsing Street, San-Min Dist,, Kao-Hsing, City Taiwan, Republic of China, "A SCOTER", 23rd September 1996.

Class 3. Nos. 172368 & 172369, Mr Anwer Ali, Indian, trading as PIONEER INDUSTRIES, a sole proprietorship concern of 19-1-405/1/2, Doodhbowll, Hyderabad-500264, A.P., India, "DECORATIVE ACCESSORIES FOR SCOOTERS & AUTO RICKSHAWS", 15th October 1996.

Class 3. No. 170393, Reckitt & Co1man S.A., a French Co., of 15 rue Ampere, 91301 Massy Cedex, Franc*, - "A BOTTLE.", 2nd August 1995 (Reciprocity date).

Class 3. No. 171940, Purushottam Das Heda, Plot No. 46, Ganeshnagar colony, Ramananthapur, Hyderabad-500013, A. P., India, Indian, "WATER STORAGE TANK", 6th August 1996.

Class 3. No. 172086, Motorola, Inc .a corporation of the state of Delaware, of 1303 East Algonquin Road, Schaumburg, illinois.- 60196, U.S.A., "HOLSTER", 2nd September 1996.

Class 3. No. 172423, Rajdeep Plastics of 17, JJanmadas Industrial Estate, Opp : Jawahar Talkies, Dr. R. P. Road, Mulund (W), Bombay 80, Maharashtra, India, an Indian partnership firm, "TERRY CAN", 17th October 1996.

Class 3. No. 172282, Tayal Enterprises, 48, Najafgarh Road, New Delhi-110 015, India, an Indian proprietorship concern, "THERMOPLAST CONTAINERS", 30th September 1996.

Class 3. No. 172121, Bharat Arvindbhai Sheth, Indian national, of A-21 Hastiraj Society, Bapubhai Vashi Rd., Vila Parle (W), Mumbai-56, Maharashtra, India, "COMB", 9th September 1996.

Class 3. No. 172110, Krone Aktiengesellschaft Beeskowdamm 3—11, D 14167 Beilin Zehlendorf Germany, a German Co., "CROSS CONNECTION CABINET", 6th September 1996.

T. R. SUBRAMANIAN
Controller General of Patent, Design & Trade Marks

प्रबन्धक, भारत सरकार मुद्रणालय, फरीदाबाद द्वारा मुद्रित
एवं प्रकाशन नियंत्रक, दिल्ली द्वारा प्रकाशित, 1997
PRINTED BY THE MANAGER. GOVERNMENT OF INDIA PRESS, FARIDABAD,
AND PUBLISHED BY THE CONTROLLER OF PUBLICATIONS, DELHI, 1997